

HP Media Center PC Software Guide



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Using Media Center

Getting Started with Media Center

This guide can help you get started using Microsoft Windows XP Media Center Edition and other software programs. HP has combined the features of the HP Pavilion home PC with the Microsoft® Windows® XP Media Center Edition operating system to create a powerful entertainment center for you.

With Media Center you can play all kinds of audio, video, and picture media by using a specially designed remote control. Media Center allows you to access an electronic Program Guide, which gets updated over the Internet. Whether you are recording TV programs or sharing a digital photo album, you can do all your entertaining using the powerful remote control.

Media Center Features

You can control the Media Center functions and navigate Media Center windows by using the remote control, the keyboard, or the mouse. You can easily switch back and forth between them by moving the mouse or by pressing a button on the remote control or the keyboard.

When using the remote control and the Media Center program, you can:

- Watch, record, and play back television programs.
- Pause, rewind, and fast-forward TV programs.
- Watch an instant replay.
- Play back your digital videos.
- View your digital pictures or play them as a slide show with music. Easily print your photos.
- Browse, select, and play music CD files with full-screen visualizations.
- Record CD tracks to your media library.
- Play DVD movies. Resume playing your DVDs where you left off.
- Access streaming music and video subscription services.
- Navigate the Media Center program by using either the remote control or the mouse and keyboard.
- Watch or listen to media while doing other tasks on your computer.
- Record your TV shows automatically while you are doing something else.
- Open specific windows in Media Center by using the shortcut buttons on the remote control or on the front of your computer.
- Update the Program Guide from the Internet.
- Listen to FM radio stations.



Some of the Media Center features listed are for select models only.



The Television Program Guide may not be available in all countries/regions.

Getting the most out of Media Center

It is best to have the following items completed before trying to use Media Center; otherwise, many of the program features won't be available to you. Before opening Media Center, make sure:

- The HP Media Center PC is set up correctly. For setup information, refer to the setup poster.
- The remote control has two AA alkaline batteries installed.
- The remote sensor is properly plugged into a USB connector on your PC and is placed where you can point the remote control at it.
- The remote sensor control cable is securely plugged into the remote sensor and attached to your cable or satellite set-top box, if present.
- The PC has a properly configured and working Internet connection.
- The PC is properly connected to your TV signal source.

Opening Media Center

To open the Media Center program:

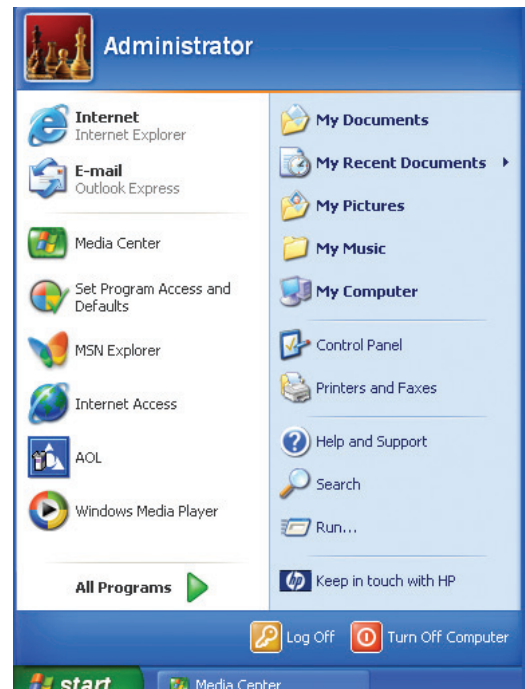
- Press the Start button  on your remote control.

Or

- Click **Start**  on the taskbar, and then click **Media Center**.

Or

- Click the **Media Center** icon on your desktop. You can create a Media Center shortcut icon by clicking and dragging the Media Center icon in the Start menu to your desktop.



Navigating Media Center

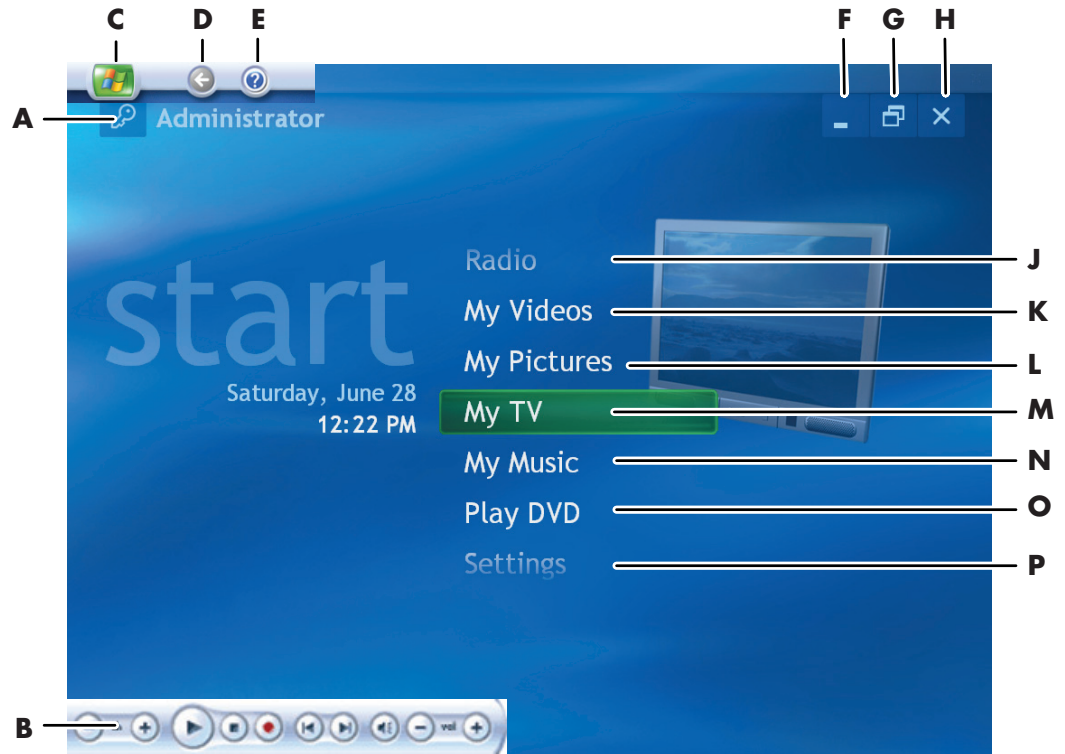
In the Media Center windows, a selected item such as a folder, file, or menu item is outlined with a green border.

To select items in Media Center, use the arrow buttons on the remote control, and then use the OK button to enter your selection.

If you have media playing, such as music or television, it appears in an inset window in the lower-left corner. To switch from watching your media in the inset window to watching it in full-screen mode, use the arrows on the remote control to select it and then press OK.



Media Center Start Menu



- A** Log off to end your Media Center session or to switch users
- B** Use media playback controls
- C** Open Media Center Start menu
- D** Go back one screen
- E** Open Media Center Help
- F** Minimize Media Center window
- G** Resize Media Center window
- H** Close Media Center window
- J** Play FM radio stations
- K** Watch your home videos

- L** View digital pictures or play a slide show, print photos
- M** Watch, record, and play back live TV programs
- N** Play music files or music CDs
- O** Watch DVD movies
- P** Change Media Center program settings

Other menus not shown:

- Online Spotlight — link to the Media Center Web site for the latest information about your Media Center PC and software.
- More Programs — link to other programs. Once you open these programs, they appear in your Media Center Start menu.



You can use the Minimize and Resize buttons to run Media Center side by side with another program from your desktop.

Setting the PC Location for the Program Guide

During the initial setup of the PC, you specify your PC country/region location. Media Center uses this information to select the country/region for the Program Guide.

The Media Center PC uses *United States* as the PC location by default. If you did not select your correct location, and if this location does not match the ZIP code or postal code location you entered in the

Media Center Program Guide setting, an error message may appear. You may also see *No data available* in the Program Guide, or you may not be able to get the correct Program Guide.

To resolve this problem, set the location for your PC in the Control Panel first and then in the Media Center Settings window.

To set the PC location

- 1 Click **Start** on the taskbar, and then click **Control Panel**.
 - 2 Click **Date, Time, Language, and Regional Options**, if it is present.
 - 3 Click **Regional and Language Options**.
 - 4 Click the **Regional Options** tab.
 - 5 In Standards and formats, select your language and country/region; for example, **English (Canada)**, from the drop-down list.
 - 6 Select your location from the drop-down list.
 - 7 Click **Apply**, and then click **OK**.
-

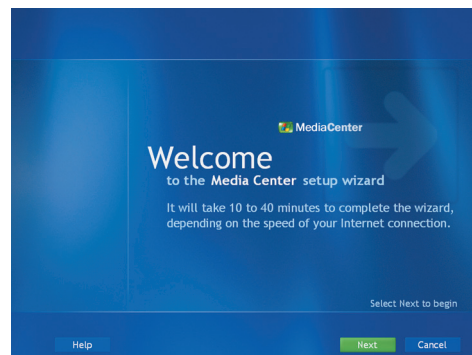
Media Center Setup

The first time you open Media Center, a setup wizard opens. Use the setup wizard to test your remote control and to configure your Internet connection, TV signal, and Program Guide. The Media Center setup wizard may take approximately 10 to 40 minutes to complete.

To complete the setup wizard you need to:

- Be logged on as the administrator. For more information, go to Microsoft Help.
- Have an Internet connection already set up to download your television service provider's program guide.
- Provide your ZIP code or postal code.

- Provide the name of your television service provider, if you subscribe to either cable or satellite TV.
- Provide the brand of your set-top box, if you use one.



You can click the Help button anytime while completing the setup wizard.




Use Media Center settings to:

- **Change settings for your television service provider.**
- **Change settings for your Internet Service Provider.**
- **Manually update the My TV Program Guide.**
- **Check your remote control.**
- **Change your postal code to receive the correct Program Guide for your area.**

Setting Up Media Center

It is best to complete each step in the Media Center setup wizard to be able to use all the features in Media Center. You can select to bypass these steps and complete them later in the Settings window in Media Center.

Press the Start button  on the remote control. The Media Center setup wizard opens. Follow the onscreen instructions to complete the following four steps:

1 Check the remote control

This step is an interactive test to make sure the remote control is working with the remote sensor. Before performing this test:

- Make sure the remote control has two AA alkaline batteries installed.
- Make sure the remote control sensor is plugged into a USB port on the PC.
- Make sure you point the remote control at the remote sensor.
- Make sure the LED on the remote control and the remote sensor blinks when a button is pressed.



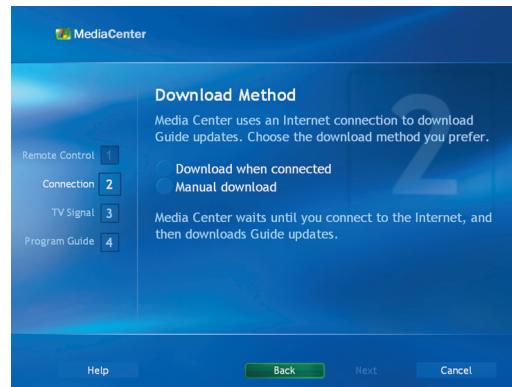
2 Select the download method for your Internet connection

In this step, you select options for your Internet connection so that Media Center can download and update your Program Guide and display information about your music CDs and other media.

- a You can have Media Center automatically download the Guide when connected, or you can manually download the Guide when you connect to the Internet. If you manually download the Guide, you need to connect to the Internet and then select **Settings** from the Media Center Start menu, select **TV, Guide**, and then select **Get Guide data**.

- b Test your connection to the Internet by selecting the **Test** button.

To set this up later or change your settings, you can select **Settings** from the Media Center Start menu, select **General**, and then select **Set up Internet connection**.



If you choose to manually download the Program Guide, it is best that you download it once per day.



If you are unable to identify which set-top box you have, the Media Center wizard prompts you to manually program the remote control buttons that control the set-top box.

3 Set up television signal

This step makes sure your computer receives the correct TV signal and the correct Program Guide information. If you have a set-top box, the setup wizard programs your remote control to work with your set-top box so that you can view premium channels. Make sure the TV signal source is properly connected to your PC and the correct TV provider is selected.

- a Select your TV service.
- b Select if you have a set-top box. Sometimes a set-top box receives a TV signal. If you have a set-top box, the Media Center remote control needs to work with it.
- c Prepare for set-top box setup. Make sure:
 - The set-top box is turned on.
 - The TV signal is connected to your set-top box.
 - The set-top box is connected to your computer.
 - The remote sensor control cable is connected properly.



- d Choose a working TV signal to use with Media Center.
- e Select how you change channels.
- f Select your set-top box brand.
- g Select a remote control code.
- h Test channel changing.
- i Set the IR signal speed.
- i The Guide is automatically downloaded when you complete all onscreen instructions.

To set this up later, select **Settings** from the Media Center Start menu, select **TV**, and then select **Set up TV signal**.

4 Set up the Program Guide

An Internet connection is needed to complete this step. If your computer isn't connected to the Internet or if Media Center hasn't configured your ISP information in step 2, you will see *No data available* in the Program Guide.

To set this up later, select **Settings** from the Media Center Start menu, select **TV**, and then select **Guide**, and then **Reset Guide lineup**.



The Program Guide may not be available in all countries/regions.

Media Center Menu Bars

When you move the mouse, the Media Center menu bars appear. When you use the remote control, or when you stop using the mouse (after 5 seconds), the menu bars disappear.












You can switch to the desktop at any time without closing or minimizing Media Center.

You don't need to minimize the Media Center window to open another program or go to a Web site. You can just resize the Media Center window and then open another program by using the Start menu.

To display the desktop, select the **Minimize** icon by using the arrow buttons on the remote control or by using the mouse. You can also resize the window to display Media Center and a part of the desktop.

To return to Media Center, use the mouse to click the **Media Center** icon on the taskbar.



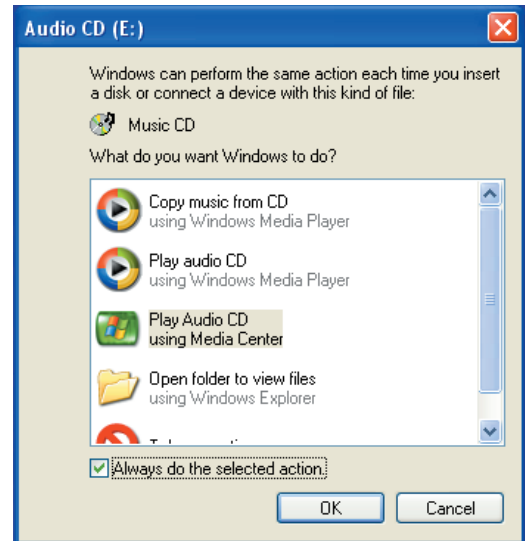
Menu bar icon	Action
	Open Media Center main menu
	Open Media Center Help files in a separate window
	Go back one screen
	Minimize Media Center window and view the desktop
	Resize Media Center window
	Close Media Center
	Play selected media
	Stop selected media
	Record selected media
	Replay, rewind (previous) selected media
	Skip, fast-forward (next) selected media

Setting Media Center as the Automatic CD Player

When you insert a CD while Media Center is active, your CD plays automatically after a few seconds. If you are not in Media Center, Windows asks you what you want to do with the CD. To avoid this message, you can select Media Center as the primary program to play CDs.

To select Media Center as the primary CD playing program:

- 1 Close Media Center.
- 2 Insert a CD into the drive. A message appears asking you what you want Windows to do.
- 3 Select **Play Audio CD using Media Center**.
- 4 Check the **Always do the selected action** check box, and then click **OK**.



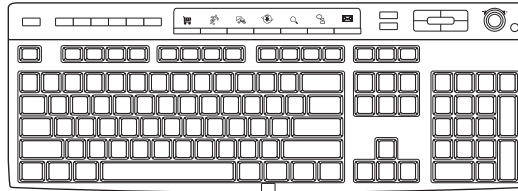
Using Shortcut Buttons

Remote control



You can use the remote control shortcut buttons, such as TV (My TV), Music (My Music), Pictures (My Pictures), and Videos (My Videos) to open specific windows in Media Center. Refer to "Using the Remote Control" on page 13 for more information about the shortcut buttons on the remote control.

Keyboard

The keyboard shortcut buttons do not open the Media Center program. Refer to "Using the Keyboard" in the *HP Media Center PC Getting Started Guide* for more information about your keyboard shortcut keys.



Using Media Center Help

- 1 Press the Start button  on the remote control.
- 2 Move the mouse to show the Media Center navigation bar, and then select the **Help (?)** icon from any window in Media Center. 
- 3 When Media Center Help files appear:
 - To open available files, select the **Contents** tab and then click the (+) next to the topic. To view text about a topic, select the topic. The text appears on the right side of the window.
 - Select the **Index** tab and then scroll down the list of topics, or type a descriptive word and click the **Display** button. To view a topic, double-click it.
 - Select the **Search** tab and then type a descriptive word. Click the **List Topics** button. To view a topic, double-click it.
- 4 To return to Media Center, close the Help files by clicking the **Close** button on the taskbar of the Help window.



When Media Center is open, you can also press F1 on the keyboard to open Media Center Help.


Changing Media Center Settings

In the Media Center Settings window, you can change settings for watching television, for viewing your pictures and slide shows, and for controlling sound and the display of all the Media Center windows.

To change your Media Center settings:



Some settings such as parental control and caption display settings for TV and DVDs are included with select models only.

- 1 Press the Start button  on the remote control.
- 2 Select **Settings**.
- 3 Select:
 - **General** to adjust the appearance of Media Center window, adjust sounds, set parental controls to block unwanted TV channels or movie ratings, select caller ID settings, set up an Internet connection, or set up your remote control to work with Media Center and other settings.
 - **TV** to set up TV signal, audio, closed captioning. You can download or edit the Television Program Guide, view recording errors, set hard disk drive storage space, and set recording defaults.
 - **Music** to select visualizations or song information to display when playing a song.
 - **Radio** to organize or delete pre-set radio stations.
 - **DVDs** to select a language for subtitles, audio tracks, and menus of your DVDs. You can select audio settings for your speakers and program remote buttons for DVD.
 - **Pictures** to show pictures in random order, in subfolders, and show captions, change transition time or background shade for slide shows.
- 4 Select one of the settings listed. Then, use the arrow buttons to select an option or follow the onscreen instructions. If necessary, select **Save** to save your changes.

For more information about changing Media Center settings, refer to the Help menu in Media Center.

Using the Remote Control

The remote control is designed to work with Media Center. You can use your remote control with Media Center to play CDs, DVDs, and videos, to view pictures, and to watch and record television programs.

This remote control helps you navigate the Media Center windows on your computer just as a cable TV remote control navigates cable TV options or controls the playback of a movie in a VCR or DVD player.

Remote control can:

- Navigate and control all Media Center windows.
- Control the video or live TV display.
- Place the computer in and out of standby mode.

Remote control cannot:

- Navigate the Windows desktop or control other computer programs outside of Media Center.
- Be used as a VCR, DVD player, or stereo remote control.
- Turn the computer on or off (shut down PC).
- Turn a TV that is connected to your computer on or off.




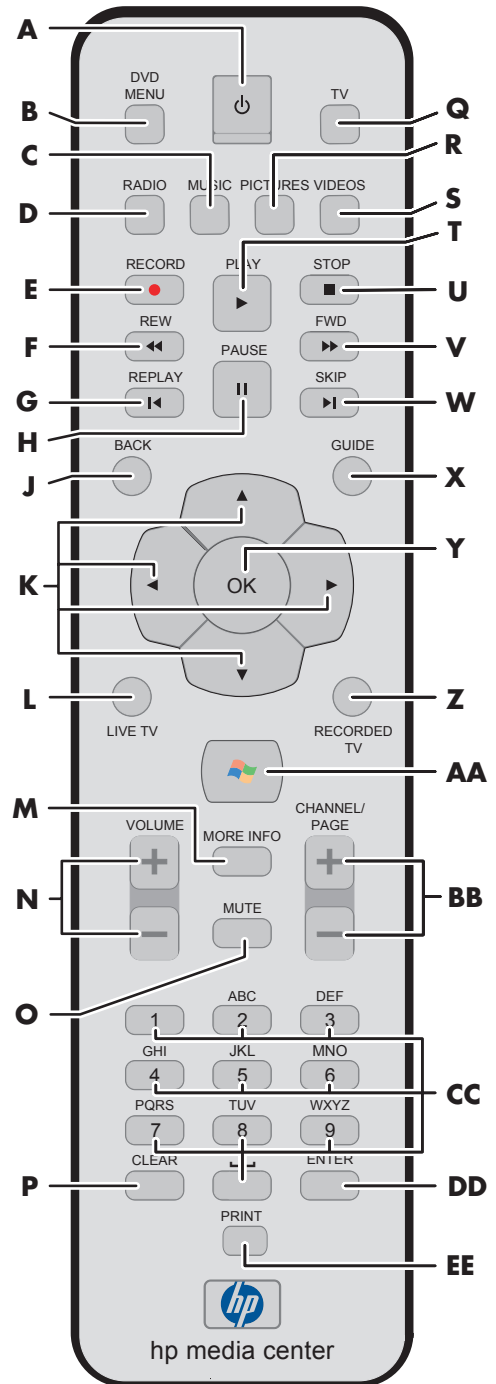
The remote control can send a strong signal to the remote sensor from within a range of about 26 feet.

Make sure there is nothing blocking the pathway between your remote control and the remote sensor.

Remote Control Buttons Overview


Features and location may vary

- A Standby**  puts the PC into and out of a power-reduced state.
- B DVD Menu** opens main menu on a DVD movie, if available.
- C Music** opens the My Music window.
- D Radio** opens the FM Radio window.
- E Record** records a selected television program and stores it on the hard disk.
- F REW (Rewind)** moves the media backward at two speeds.
- G Replay** moves media backward 7 seconds.
- H Pause** pauses audio and video tracks, and pauses live or recorded TV programs.
- J Back** returns PC to the previous window within Media Center.
- K Arrow** buttons move the cursor to navigate within all Media Center windows. Advances to the next picture in a slide show.
- L Live TV** is a shortcut to the full-screen view of live TV. It also moves to the current point in a live TV program after pausing live TV.
- M More Info** displays available information about a selected media file. Allows you to rotate a picture in My Pictures.
- N Volume** increases (+) and decreases (–) sound.
- O Mute** turns computer sound off. The word *Mute* is displayed on the screen when Mute is turned on.
- P Clear** deletes selection and works as the backspace button does on a keyboard.



- Q TV** opens the My TV window.
- R Pictures** opens the My Pictures window.
- S Videos** opens the My Videos window.
- T Play** plays selected media.
- U Stop** stops media currently playing.
- V FWD (Fast-forward)** moves media forward at three speeds.
- W Skip** moves media forward, for example, 30 seconds in videos and live TV, or one music track.
- X Guide** opens Television Program Guide to display available TV channels and programs to watch and record.
- Y OK** selects the desired action or window option. It acts as the Enter key. If watching TV in full-screen mode, pressing OK switches back to the previous channel watched. Press again to toggle back. It acts the same way as a Jump button on some TV remote controls.
- Z Recorded TV** opens the Recorded TV window.
- AA Start** opens Media Center to the main Start menu.
- BB Channel/Page** up (+) and down (-) changes TV channel or moves page up and down, depending on available options. It also moves to next DVD chapter. The name of the TV show and channel are displayed.
- CC 0 to 9** changes channels or enters text into Media Center search or text box.
- DD Enter** selects the desired action or window option. In full-screen mode, press Enter to jump to the last channel you were watching.
- EE Print** prints your pictures that you select in the My Pictures window.

To begin using your remote control

- 1 Point the remote control at the remote sensor. The remote sensor should be located near your monitor or in a convenient place. Make sure there is nothing blocking the pathway between your remote control and the remote sensor.
- 2 To start Media Center and to open the Media Center Start menu, press the Start button .
- 3 If this is your first time using the remote control, the Media Center setup wizard opens. Follow the onscreen instructions to complete the remote control setup steps.

Or

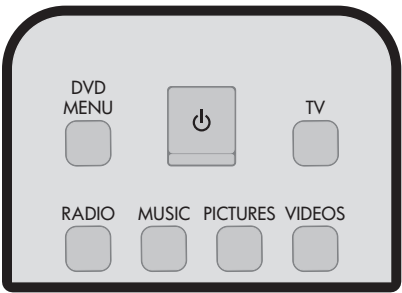
If you have completed the Media Center setup wizard, the Media Center Start menu opens. Use the arrow keys on the remote control to select an item, and then press OK to select an option and to begin using Media Center.



Remote Control Buttons

Direct access buttons

The direct access buttons open the main Media Center windows.



Button	Function
DVD Menu	Opens the Play DVD main menu where you can play your DVD movies.
TV	Opens the My TV window where you can watch and record TV, open your Television Program Guide, schedule future TV recordings, and find your recorded TV programs.
Radio	Opens the FM radio station window where you can select FM radio stations to listen to.
Music	Opens the My Music window where you can browse and play music CDs and your music files.
Pictures	Opens the My Pictures window where you can search for, sort, and view pictures and slide shows that are stored in the My Pictures or the Shared Pictures folder in Windows Explorer. You can also view your pictures on other media such as a digital camera or a memory card.
Videos	Opens the My Videos window where you can search for, sort, and play back your video files that are stored in the My Videos or the Shared Video folder in Windows Explorer. You can also view your videos on other media such as a memory card.



Some older DVDs may not include a DVD menu.



Make sure you turn off the monitor and turn down or mute the volume, for example, if you have a scheduled recording in the middle of the night and don't want to be disturbed.

The PC will not automatically go into standby mode if Media Center is open. It is best to close Media Center before you manually place the PC in standby mode.

Standby button

The Standby button puts the computer in to and out of a power-reduced state, called standby, which runs the computer with minimal power until you give it a command. To take the computer out of standby, press the Standby button for at least one to two seconds on the remote control. It is recommended that you use this button when Media Center is closed.



You must press Standby for one to two seconds.

An LED (light-emitting diode) located under the Standby button blinks when the remote control is transmitting a signal to the remote sensor.

Recording in standby mode

Media Center can take the PC out of standby mode just before a scheduled show begins recording. The PC returns to standby mode when the recording is complete.

Media Center begins recording with the monitor and sound turned on unless you manually turn them off before the scheduled recording.

Media Center cannot record TV programs if the computer is turned off.

Remote control LED and the remote sensor LED

Under the Standby button is an LED that blinks when the remote control is sending a signal to the remote sensor.

The remote sensor displays a red LED when you press a button on the remote control (select models only). Some kinds of lighting may cause the remote sensor to blink without you pressing the remote control.









If you turn off (shut down) your PC, Media Center will not record a scheduled TV program. The PC must be turned on or in standby mode to record TV programs.

Media playback buttons

These buttons allow you to play back picture slide shows, music files, playlists, music CDs, DVD movies, home videos, and live TV, from within the Media Center program.



Button	Function
Record 	<p>Records TV programs. The Record button works only when My TV is used to play a TV show. It is inactive when other media is playing.</p> <ul style="list-style-type: none"> ■ Press Record once to record a TV show while watching live TV or while in the Guide. ■ Press Record twice to record a TV series while in the Guide. ■ Press Record repeatedly, until the record icon disappears from the Guide, to cancel a recording.
Play 	<p>Plays selected media.</p>
Stop 	<p>Stops selected media. When Stop is pressed while you are watching TV, the Media Center pause buffer continues to record in the background.</p>
REW 	<p>Rewinds selected media. Press REW again to increase the rewinding speed.</p> <ul style="list-style-type: none"> ■ Moves the video backward. ■ Moves live TV program to the beginning of the 30-minute pause buffer. ■ Moves the Television Program Guide back 3 hours.
Pause 	<p>Pauses selected media. Press Pause and then FWD repeatedly to play media frame by frame in slow motion. To continue slow motion, you must press the FWD button more than once.</p>
FWD 	<p>Moves selected video media forward. Press FWD up to three times to increase the fast-forwarding speed.</p> <ul style="list-style-type: none"> ■ Moves MP3 music files forward. ■ Moves a video forward. ■ Moves the Television Program Guide forward 3 hours.




Press the REW or the Replay button and then the Play button to watch an instant replay.

Navigation and other direct access buttons

These buttons allow you to move the cursor and to select actions within the Media Center windows.



Button	Function
Back	Returns to the previous window.
Guide	Opens the electronic Television Program Guide.
Arrows	Move between menus, windows, or activities. Move the cursor to select actions within the Media Center windows.
OK	Selects a desired action and works as an Enter button. If you are watching live TV, press OK to go to the previous channel. Press OK again to toggle back to the original channel you were watching.
Live TV	Moves a TV program forward to the end of the pause buffer and resumes playing live TV. When you pause a TV program, you can use the Live TV button to move forward to live TV. Opens Media Center and then begins playing live TV in full-screen mode.
Recorded TV	Opens the Recorded TV window where all your recorded TV programs are stored. From this window, you can search for and play back a recorded show.
Start 	Opens the Media Center Start menu if you are in Media Center or if you are at the desktop.

Audio and video buttons

The audio and video buttons change channels, adjust volume, and show details of selected media.



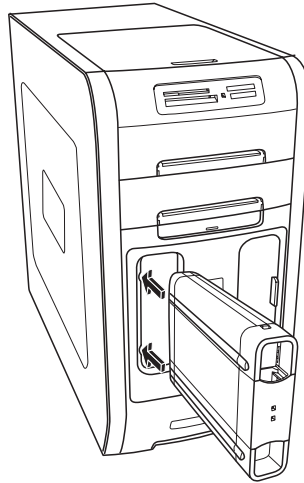
Button	Function
Volume (+ and -)	Increases or decreases PC volume.
More Info	Displays media information. Some media may not include this information. This button displays details such as TV program summary or music artist. You may need to be connected to the Internet to receive TV programming or CD artist information. Displays options to rotate or print your pictures.
Channel/Page (+ and -)	Changes channels up and down or moves the cursor to the next or previous page of options. Changes channels for live TV or moves to the next chapter of a DVD movie.
Mute	Turns off the PC sound. The word <i>Mute</i> appears in the window when it is turned on.
Numeric keypad	Changes channels and enters text. Enters text in the Media Center search feature. Each time you press a number key, a different character appears. When you find the character you want, press the Enter button or wait a few seconds.
Clear	Deletes the last character entered. Clear works the same way as a backspace command on a keyboard.
Enter	Selects a desired action, menu, or window. Enter works the same way as the OK button.
Print	Prints picture files from the My Pictures window of Media Center. This button does not print files from Windows Explorer.

Using an HP Personal Media Drive

The HP Personal Media Drive is an internal and external USB hard disk drive designed to quickly and easily increase your storage capacity and to transfer media files such as digital photos, music, videos, and other important files. You can also use the HP Personal Media Drive to back up other drives on your PC.

The HP Personal Media drive is designed to:

- Work with the Media Center PC and other PCs that have a USB port.
- Store large media files and personal files.
- Transfer files between PCs.
- Play media files.
- Back up your files.



The HP Personal Media Drive is sold separately.

Locating the Drive After Installation

After you install the HP Personal Media Drive into the PC, you can find the drive in My Computer. The HP Media Center PC automatically assigns a drive letter which may change unless you assign a drive letter. See “Assigning a Drive Letter to the HP Personal Media Drive” on page 24.

- 1** Click **Start** on the taskbar.
- 2** Click **My Computer**.
- 3** Select your drive under *Hard Disk Drives*. The default name is HP Personal Media Drive.



The installation CD that came with your HP Personal Media Drive allows you to assign a drive letter to the HP Personal Media Drive.

Assigning a Drive Letter to the HP Personal Media Drive

You can permanently assign a drive letter to avoid the letter changing when you connect and disconnect this drive and other devices. Also, it is easier for a software program to locate files on the HP Personal Media Drive if a drive letter is assigned. Some programs may not be able to find files if the drive has a new drive letter.

It is best to always remove your drive safely to avoid errors. See "Disconnecting the HP Personal Media Drive Safely" on page 29.

To assign a drive letter:

- 1 Click **Start**.
- 2 Right-click **My Computer**.
- 3 Select **Manage** and then click **Disk Management**.
- 4 Right-click the **HP Personal Media Drive**.
- 5 Select **Change Drive Letter and Paths**. HP recommends that you pick the drive letter **Z**.
- 6 Click **Change** and select a letter, and then apply the changes by clicking **OK**.



To avoid multiple hard disk drives using the same drive letter when connecting and removing the drives, assign the letter **Z**.

Storing Files

The best way to transfer files to the HP Personal Media Drive is to drag them from your local hard disk drive to your HP Personal Media Drive. This allows you to place files in specific folders so that they can be viewed in Media Center. Refer to the following procedures for more detailed instructions about creating these linked folders.

Playing Media Files

You can play all kinds of media from an HP Personal Media Drive:

- 1 Click **Start** on the taskbar.
- 2 Click **My Computer**.
- 3 Double-click the HP Personal Media Drive icon to locate your media file.
- 4 Double-click the file. Most media files open in Windows Media Player.

Playing Music Files

You can play all kinds of music that are stored on HP Personal Media Drive. If you want the music files that are stored on your HP Personal Media Drive to appear in the Windows Media Player Library and the Media Center My Music window, you must create a link to this drive.

To do this:

- 1 Click **Start** on the taskbar, click **My Computer**, and then double-click the HP Personal Media Drive icon.
- 2 Create a personal music folder by right-clicking in the folder and choosing **New** and then **Folder**. Type a name for your personal music folder.
- 3 Drag or copy your music files into this created folder.
- 4 Open Windows Media Player by clicking **Start**, **All Programs**, and then click **Windows Media Player**.
- 5 In the Windows Media Player window, click **Tools**, select **Options**, and then select the **Media Library** tab.
- 6 Click the **Monitor Folders** button.
- 7 Click **Add** to add a pathway to your HP Personal Media Drive.
- 8 Browse to locate your created music file folder on your HP Personal Media Drive, and then click **OK**.
- 9 Click **OK**, and then **OK** again to close the Options window. Now your music files on your HP Personal Media Drive appear in the Windows Media Player library and in the Media Center My Music window when your drive is connected to the PC.

When you disconnect the drive, your music files may still appear in the Windows Media Player Library and Media Center My Music window. To refresh your PC, open and close Windows Media Player or Media Center. If that doesn't work, restart the PC.



The installation CD that came with your HP Personal Media Drive allows you to set up folders so that you can access your music files with Media Center.

Viewing Picture Files

You can view your pictures stored on an HP Personal Media Drive. If you want the picture files that are stored on your HP Personal Media Drive to appear in the Media Center My Pictures window, you must create a pathway to this drive.

To do this:

- 1 Click **Start** on the taskbar, click **My Computer**, and then double-click the HP Personal Media Drive icon.
- 2 Create a personal pictures folder by right-clicking in the folder and choosing **New** and then **Folder**. Type a name for your personal pictures folder.
- 3 Drag or copy your picture files into this created folder.
- 4 Open the My Pictures folder on your local hard disk drive by clicking **Start**, and then **My Pictures**.



The installation CD that came with your HP Personal Media Drive allows you to set up folders so that you can access your picture files with Media Center.



The installation CD that came with your HP Personal Media Drive allows you to set up folders so that you can access your video files with Media Center.

- 5 Right-click anywhere in the My Pictures window, select **New**, and then select the **Shortcut**.
- 6 When the Create Shortcut wizard window opens, click **Browse** and locate your personal pictures folder, select the folder, and then click **OK**.
- 7 Click **Next** and then click **Finish**. The shortcut to your personal picture folder appears in the My Pictures window.

- 8 Click **Add** to add a pathway to your HP Personal Media Drive. Now your picture files on your HP Personal Media Drive appear in the Media Center My Pictures window when your drive is connected to the PC.

When you disconnect the drive, your picture files may still appear in the Media Center My Pictures window. To refresh your PC, open and close Media Center.

Playing Video Files

You can view your videos stored on an HP Personal Media Drive. If you want the video files that are stored on your HP Personal Media Drive to appear in the Media Center My Videos window, you must create a pathway to this drive.

To do this:

- 1 Click **Start** on the taskbar, click **My Computer**, and then double-click the HP Personal Media Drive icon.
- 2 Create a personal videos folder by right-clicking in the folder and choosing **New** and then **Folder**. Type a name for your personal videos folder.
- 3 Drag or copy your video files into this created folder.
- 4 Open the My Videos folder on your local hard disk drive by clicking **Start, My Documents**, and then double-clicking **My Videos**.
- 5 Right-click anywhere in the My Videos window, select **New**, and then select the **Shortcut**.
- 6 When the Create Shortcut folder opens, click **Browse** and locate your personal videos folder, select the folder, and then click **OK**.
- 7 Click **Next** and then click **Finish**. The shortcut to your personal video folder appears in the My Videos window.
- 8 Click **Add** to add a pathway to your HP Personal Media Drive. Now your video files on your HP Personal Media Drive appear in the Media Center My Videos window when your drive is connected to the PC.

When you disconnect the drive, your video files may still appear in the Media Center My Videos window. To refresh your PC, open and close Media Center.

Watching TV Programs Stored on the HP Personal Media Drive

To play back recorded TV files stored on your HP Personal Media Drive, you must:

- 1** Connect your HP Personal Media Drive to the PC with the PC turned off.
- 2** Turn on the PC and open Media Center.
- 3** Click **Settings, TV, Recorder, Recorder storage**.
- 4** Under *Record on drive* select the HP Personal Media Drive, select **Save**, and then select **Yes**. A Recorded TV folder is created and placed in your HP Personal Media Drive. Recorded TV shows must be placed in this folder to access them with Media Center.
- 5** Under *Record on drive*, select your local hard disk drive, select **Save**, and then select **Yes**.
- 6** Move or copy your recorded TV programs to this Recorded TV folder on your HP Personal Media Drive. Now you can view your stored TV programs in Media Center, or you can double-click the file and view the show in Windows Media Player.
- 7** Close Media Center before disconnecting the drive.

When you connect your drive, stored TV files appear in a few seconds after you open Media Center.



You need to close Media Center before removing or before connecting your HP Personal Media Drive for the stored TV files to update properly.

Recording TV to the HP Personal Media Drive

The HP Media Center PC was set up to record TV shows to your local hard disk drive when using Media Center. It is possible to change the recording pathway to an HP Personal Media Drive, but several errors can occur if the drive is unexpectedly or improperly removed.

It is best to record TV shows to your local hard disk drive and then copy the files over to your HP Personal Media Drive.

If you decide to change your recording path to the HP Personal Media Drive, listed below are some important things to consider:

- The TV recording path does not default back to your local hard disk drive after the HP Personal Media drive is disconnected. This means scheduled recordings may not be recorded. The recording error *Low Disk Space* may occur, and then your program will not be recorded. See "Changing disk allocation" on page 30 for more information about fixing this error.
- When the drive is disconnected, the disk allocation for Recorded TV shows reverts to 10% and your recorded programs can be lost if you have selected the "Keep until space is needed" setting in My TV. See "Changing disk allocation" on page 30 for more information about changing the allocation.
- If you disconnect the drive while Live TV is active, a video error can occur.
- Recorded TV shows are not updated in Media Center when the drive is removed.
- The drive may be assigned a different drive letter which prevents Media Center from recognizing the recording path or the stored Recorded TV files.



■ **HP recommends that you record TV programs directly to your local hard disk drive and then transfer the programs to the HP Personal Media Drive.**

■ **If you have problems recording after you have changed the recording pathway, close Media Center and then open it, and then restart the PC.**

Recording TV Programs to the HP Personal Media Drive

When you set the TV recording pathway to your HP Personal Media Drive, Media Center stores the recording buffer data for pausing live TV on your drive. This means that if live TV is playing, you won't be able to remove the drive safely. To avoid this scenario, change the recording pathway back to your local hard disk drive, and then restart the PC before disconnecting the HP Personal Media Drive.

To record TV programs to the HP Personal Media Drive:

- 1** Change your recording pathway to your HP Personal Media Drive. See "Changing the TV recording path to the HP Personal Media Drive" on page 28.
- 2** Open Media Center.
- 3** Record TV programs to the HP Personal Media Drive.
- 4** Before disconnecting the drive:
 - Make sure there are no scheduled recordings or recordings in progress to avoid losing data.
 - Change the recording pathway back to your local hard disk drive. See "Changing the TV recording path to the local hard disk drive" on page 29.
- 5** Close Media Center.
- 6** Restart your PC. You must perform this last step or errors can result when recording to your drive.
- 7** Disconnect your HP Personal Media Drive safely. See "Disconnecting the HP Personal Media Drive Safely" on page 29.



HP recommends that you record TV programs directly to your local hard disk drive and then transfer your recorded programs to the HP Personal Media Drive, if desired.

Changing the TV recording path to the HP Personal Media Drive

If you decide to change your recording path to record directly to your HP Personal Media Drive, Media Center creates a Recorded TV folder on your drive.

To change the Media Center TV recording path to your HP Personal Media Drive:

- 1** Assign a drive letter to your HP Personal Media Drive. See "Assigning a Drive Letter to the HP Personal Media Drive" on page 24.
- 2** Open **Media Center**.
- 3** Select **Settings, TV, Recorder**, and then **Recorder storage**.

- 4 Under Record on Drive, select "+" to select the **HP Personal Media Drive**. You can also set the disk allocation and recording quality settings in this window.

HP recommends that you know the drive letter assigned and the storage amount of your HP Personal Media Drive.

- 5 Click **Save** and then click **Yes**.
- 6 Close Media Center.
- 7 Restart the PC.


Changing the TV recording path to the local hard disk drive

To change the Media Center TV recording path to your local hard disk drive:

- 1 Open **Media Center**.
- 2 Select **Settings, TV, Recorder**, and then **Recorder storage**. You can also set the disk allocation and recording quality settings in this window.
- 3 Select your local hard disk drive (C:).
- 4 Click **Save** and then click **Yes**.
- 5 Close Media Center.
- 6 Restart the PC.

Disconnecting the HP Personal Media Drive Safely

To disconnect your HP Personal Drive safely:

- 1 Close Media Center and all other programs that may be accessing your HP Personal Media Drive. Make sure the activity LED is off.
- 2 Double-click the **Safely Remove Hardware** icon in the system tray at the bottom of the desktop. If this icon is hidden, click the arrows on the taskbar to display it. The Safely Remove Hardware window opens. 
- 3 Double-click **USB Mass Storage Device** to locate your HP Personal Media Drive. USB Mass Storage Device may be listed twice. One may contain a memory card reader or other mass storage drives.
- 4 Select your device that is labeled *HP Personal Media Drive*, and then click **OK**. This name of the drive may appear as *Generic Volume* followed by the assigned drive letter. A *Safe to Remove Hardware* message appears in the System tray at the bottom of your desktop letting you know that your drive is safe to disconnect.
- 5 Click **Close**.
- 6 Disconnect the drive from the PC.



If you attempt to disconnect the drive safely and a message appears telling you that you can't, restart the PC; a program may still be using the drive.

Changing disk allocation

If you experience a *Low Disk Space* error message, and you want to change the disk allocation to a higher percentage for your HP Personal Media Drive:

- 1 Open Media Center.
- 2 Select **Settings, TV, Recorder**, and then select **Recorder storage**.
- 3 Change the disk allocation percentage setting by selecting the "+" or "-" option.

Updating recorded TV list after removing the HP Personal Media Drive

If you want to update your Recorded TV list after removing the drive:

- 1 Close Media Center.
- 2 Open Media Center.
- 3 If this does not update the files, restart the PC.

System requirements to view recorded TV programs on other PCs

To play back recorded TV files (.dvr-ms files) that were recorded on your HP Media Center PC onto another non-Media Center PC, the PC must have the following items installed:

- Windows XP Operating System
- Windows XP Service Pack 1
- Windows Media Player 9
- Software to play DVDs

- The audio and video codec file that allows Windows Media Player to play recorded TV programs (.dvr-ms files). You can find this file in Windows Update. Click **Start**, choose **All Programs**, and then click **Windows Update**. You can also go to the Windows Web site and search for this code file (Q810243).

If you want more information about this file you can go to:

<http://www.microsoft.com>



Some recorded TV programs with the broadcast flag turned on are copy protected and cannot be viewed on other PCs.

Convenient media file locations

Most media files that you copy from CD or download from the Internet can be placed in specific folders on your local hard disk drive for easy access. For example, you download a music file from the iTunes Music Store, and place it into your My Music folder in My Documents.

You may want to go to these locations to move or copy your files into your HP Personal Media Drive. Below is a quick reference of your digital media file locations on your local hard disk drive.

Media file types	Location	Folder name
Picture files that you transfer from a digital camera, copy from a CD, or download from the Internet can be placed in your My Pictures folder on your primary hard disk drive.	Click Start, My Documents , and then double-click My Pictures folder.	My Pictures
Music files that you download from the iTunes Music Store or copy from a commercial CD by using Windows Media Player can be placed in the My Music folder on your primary hard disk drive.	Click Start, My Documents , and then double-click My Music folder.	My Music
Video files that you transfer from a digital video camera, copy from a DVD or CD, or download from the Internet can be placed in the My Videos folder on your primary hard disk drive.	Click Start, My Documents , and then double-click My Videos folder.	My Videos
Recorded TV files that you record from Media Center are automatically placed in the Recorded TV folder on your primary hard disk drive, unless you manually change the record path.	Click Start, My Computer, Shared Documents , and then double-click the Recorded TV folder.	Recorded TV



Some media devices and software programs default to these locations automatically.

Watching and Recording TV Programs

The Media Center PC acts as a digital video recorder (DVR) which works with the Media Center remote control so you can watch and record TV programs at your own convenience and pace.

In My TV you can:

- Watch your favorite television programs in full-screen mode or in an inset window.
- Pause, stop, rewind, and fast-forward live TV.
- Record a single TV program or an entire series. My TV manages the recordings for you and displays a message if there are any recording conflicts.
- Create a recorded TV library.
- Search for TV programs to watch or record using the Television Program Guide.
- Check the details of TV programs in the Guide.
- Check which TV programs you have scheduled to record.
- Browse for TV programs in Search by title, keyword, or category.
- Simultaneously watch a recorded program and record a live program.
- Set Media Center to block certain channels.
- Find your favorite television programs by organizing the Television Program Guide by different categories, such as movies or sports. Also, view a lineup for a specific channel.



The digital video recording features are for select models only.



- A Scroll through the Television Program Guide for programs to watch and record**
- B View a list of all your recorded programs or find out why your program wasn't recorded**
- C Quickly find a TV program or series to watch or record using a descriptive word, program title, or program category**
- D Change recording priorities, TV Guide settings, and other settings**
- E TV channel currently playing**



You can change the channel by using the remote control while in full-screen mode or when the inset window is selected.

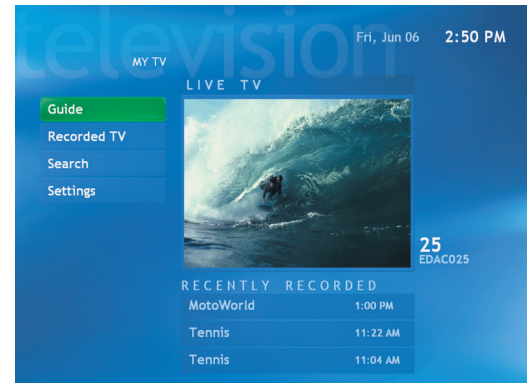
You can go to live TV from anywhere in Windows Media Center by pressing Live TV on the remote control.

You can select a channel to see upcoming programs for that channel.

Watching TV

Before you can watch TV by using Media Center, make sure:

- The computer is set up correctly for your TV signal source. Refer to the setup poster for more information.
- You have completed the Media Center setup wizard.










To watch a television program

- 1 Press the TV button on the remote control. The last channel selected or the first channel available begins playing next to the My TV menu.
- 2 Select a channel by using the Channel/Page (+) or (-) buttons or by using the numeric keypad on the remote control, and then select **Enter**. The channel number and program information is displayed in the window.
- 3 To watch TV in full-screen mode, press the Live TV button, or select the TV video screen, and then press OK.
- 4 To exit full-screen mode and return to the previous window, press Back on the remote control.
- 5 Press the More Info button to display the following information:
 - Channel number
 - Channel station identifier
 - Title of program
 - Time period of program
 - Actual time
 - Brief summary of the program
 - TV rating, if available
 - Type of program, such as sports



Using Remote Control in My TV

Remote Control button	Action
	To freeze the live TV image, press Pause. While paused, My TV continues to record a pause buffer for up to 30 minutes. To resume watching TV where you left off, press Play.
	To stop live TV or a recorded program, press Stop once. To resume watching the program, press Play.
	To move forward in the live TV program that has been paused, or in a recorded program, press Fast-Forward (FWD). To speed up the fast-forwarding, press FWD two or three times. FWD allows you to skip 3 hours in the Television Program Guide.
	To resume watching the program after pressing the Pause, Fast-Forward, Rewind, Replay, or Skip buttons, press Play.
	To advance in live TV or in a recorded program by 30 seconds, press Skip once. You can repeatedly skip forward but only to the end of the pause buffer or the recorded program. Allows you to skip 12 hours in the Television Program Guide.
	To move backward in live TV or a recorded program, press Rewind (REW). To speed up rewinding, press REW three times. To resume watching the program, press Play. REW allows you to go back 3 hours in the Guide.
	To move backward in live TV by 7 seconds, press Replay. You can repeatedly rewind with the instant replay option but only to the beginning of the pause buffer or recorded program. Allows you to go back 12 hours in the Guide.
Live TV	To maximize the TV viewing window to full-screen mode, press Live TV. Also, to advance to the end of the pause buffer and resume watching the actual point in the live TV program, press Live TV.
More Info	To see channel number, station identifier, title of program, time slot, and category of program, press the More Info button while in full-screen mode.
Channel/Page	To move to the next channel in the Television Program Guide, press the Channel/Page (+) and (-) buttons.
Guide	To open the Television Program Guide, press Guide. When in the Guide window, press Guide again to view a categories menu. To filter your Guide to display only programs in a category, you can select a category, such as drama.



If you close Media Center or leave the Guide page, Media Center defaults back to displaying all available channels.



For some countries or regions the Live TV button is labeled TV on the remote control.



The 30-minute pause buffer applies only when pausing, rewinding, and fast-forwarding live TV. Media Center allows you to record a program for longer than 30 minutes.

Watching Live TV Using the Digital Video Recorder

When you open the My TV window and begin watching live TV, Media Center begins recording the selected program in the background for up to 30 minutes.

This allows you to use your remote control to stop, pause, rewind, and fast-forward live TV programs within a 30-minute time range. Recording continues in the background. When you pause a live TV program while watching in full-screen mode, the time-shifting window appears.

You can always move to the actual point in the live broadcast by pressing the Live TV button on the remote control.

When you change the channel, Media Center deletes the previously recorded portion and begins recording again after a short delay.

You cannot use time shifting when recording a TV program. For example, you can't pause a live TV program and then rewind to the beginning of the pause buffer and then begin recording. You can record a TV program only from live TV.

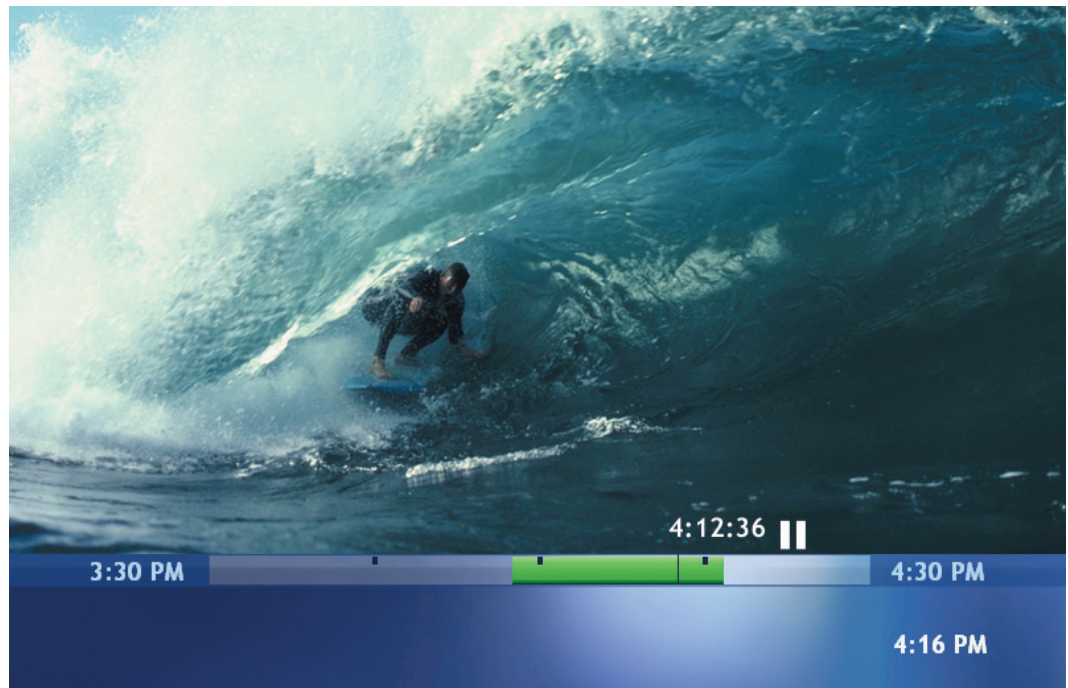
In the illustration below, note that the pause buffer time is highlighted in green. The pause buffer began recording around 3:55 and has recorded until 4:16. The program was then rewound and paused at 4:12.



When you select a channel and then press OK on the remote control, you can view two weeks of programming. Use the scroll arrows at the bottom of the window.



The digital video recording features are for select models only.



Using the Television Program Guide

In the Guide, you can scroll through a list of the current television programs and channels available from your television service provider. The Guide displays the channel and network, as well as the program title, scheduled time block, and a brief

description of the program. The number of days displayed depends on your television service provider. By selecting a program title, a detailed description of the program appears at the bottom of the window.



The number of channels and calendar days of TV listings depends on your television service provider.

Important information about the Television Program Guide

Television Program Guide data may not be available in your country or region. If there is no Guide data available when you try to download or search for Program Guide information, the following messages may appear:

- Download Incomplete: We were unable to locate any Program Guide information for the following reason: Guide data is not available for the country or region setting you selected in the Control Panel Settings.
- Search in My TV is unavailable because there is no Guide information.
- The current lineup and/or location selected for the Guide is not supported.
- The Guide information is either missing or corrupt.
- No data available.
- Channel information is currently not available.

If you receive any of these messages, then the Guide data is not available in your country or region, and you cannot use Television Program Guide features. Check back periodically to see if Guide data has been provided.

Recording TV without a Television Program Guide


You do not need the Television Program Guide to record TV. To record TV, set the recording manually:

- 1** Press the Start button on the remote control, select **My TV, Recorded TV**, and then select **Add Recording**.
- 2** Select **Channel and time**.
- 3** Enter the channel number using the numeric keypad on the remote control.
- 4** Select the **(+)** or **(-)** buttons and then press OK on the remote control to scroll through choices and enter the recording frequency, date, start and stop times, and storage and quality options.
- 5** To set the recording and return to the Settings window, select **Record** in the window, and then press OK on the remote control.
- 6** To return to the previous window, press Back on the remote control.



Make sure the PC has a connection to the Internet and that you have completed the Media Center setup wizard before you try to download your Television Program Guide or change the settings for your Guide.

Viewing the Television Program Guide

- 1 Press the Start button  on the remote control.
- 2 Select **My TV**, and then select **Guide**.

- 3 Select a channel, and then use the arrow buttons to view up to two weeks of programming for that channel.
- 4 Select a program, and then press OK to watch or record the program.

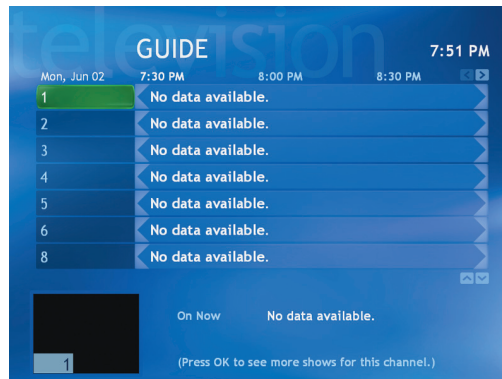


Downloading the Television Program Guide

You have three options to download the Television Program Guide:


- Automatically connect and download the Guide at a specified time each day. Some Internet Service Providers may not support this option.
- Manually connect to the Internet, and Media Center automatically downloads the Guide.
- Manually connect to the Internet and then manually download the Guide in Media Center TV Settings menu.

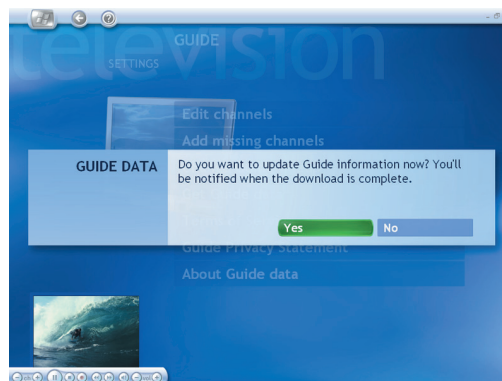
If the Guide has not been downloaded from the Internet because there is no Internet connection, you will see *No data available* next to each channel.




Media Center can be set up to automatically connect to the Internet and update the Guide. This option may not be available, depending on your Internet Service Provider. You can also manually update the Guide from the TV Settings menu.

Manually downloading the Television Program Guide

- 1 Press the Start button  on the remote control.
- 2 Select **My TV, Settings, Guide**, and then select **Get Guide data**.
- 3 Select **Yes**. The Television Program Guide starts downloading from the Internet. This can take up to 30 minutes, depending on the amount of data to download and the speed of your Internet connection.



Changing a Postal Code to Receive the Correct Television Program Guide

- 1 Press the Start button  on the remote control.
 - 2 Select **Settings, TV, Guide**, and then select **Reset Guide lineup**.
 - 3 Select **Next**, and follow the onscreen instructions.
 - 4 Enter your postal code, and then select **Next**.
 - 5 To download your provider information and then start downloading your Guide information, follow the onscreen instructions.
-

Setting up an Internet Dial-Up Connection


To set up your Internet connection to bypass the Internet Service Provider interface, use this procedure.

- 1 Click **Start** on the taskbar, and then click **Control Panel**.
- 2 Click **Network and Internet Connections**, if it is present.
- 3 Double-click **Network Connections**.
- 4 In the Network Tasks area, click **Create a new connection**.
- 5 When the New Connection Wizard opens, click **Next**.
- 6 Select **Connect to the Internet**, and then click **Next**.
- 7 Follow the onscreen instructions.

To go online after establishing your connection, click **Start**, choose **Connect to**, and then select your **Internet Dial-up connection**.


Adding Missing Channels to the Guide

Some program channels are seasonal and don't appear in the Guide all the time. To add the names and numbers of the television channels you are missing or to change the associations between channel numbers and lineups:

- 1 Press the Start button  on the remote control.
 - 2 Select **My TV, Settings, Guide**, and then select **Add missing channels** to add the names and numbers of the channels you are missing.
 - 3 Select **Add channel**.
 - 4 Use the numeric keypad on your remote control or your keyboard to enter the name of the missing channel, and then select **Next**.
 - 5 Enter the correct channel number, and then select **Add**.
 - 6 Repeat steps 3 through 5 to add additional channels.
 - 7 Click **Done** when you've added all the channels.
-

Removing Channels from the Guide

You may want to remove some channels from your Guide to prevent users from having access to them.

- 1 Press the Start button  on the remote control.
- 2 Select **My TV, Settings, Guide**, and then select **Edit Guide listings** to remove the names and numbers of the channels you don't want to appear in the Guide.
- 3 Select or clear a check box to add or remove the channel.
- 4 Select **Save**.



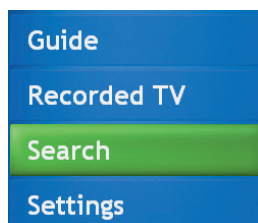
- Using Categories to search can help you find, for example, all football games. A title or keyword search displays every program that has “football” in the title or description.
- The TV search results do not include previously recorded TV programs.




Guide filtering features, such as searching by keyword or category, are available for select models only.

Searching for TV Programs

To find a TV program, you can enter a title, keyword, or select a category in your Guide by using your remote control.



To search for a TV program

- 1 Press the Start button  on the remote control (select models only), select **My TV**, and then select **Search**.
- 2 Select **Title**. Use the numeric keypad on your remote control or your keyboard to enter a program title word, and then press OK on the remote control.

Or



Select **Keyword**. Use the numeric keypad on your remote control or your keyboard to enter a descriptive word that would appear in a program title or program description, and then press OK on the remote control.


- 3 To scroll through search results, use the arrow buttons to select a program, and then press OK. If multiple times for the program are displayed, select a time and press OK.
- 4 To begin watching the program in full-screen mode, select the program and then press OK. If the program is not currently playing, select **Record** or **Record Series**, and then press OK.



Searching for TV programs using categories

You can search the Guide to find a TV program by selecting a category using your remote control.

To search for a TV program

- 1 Press the Start button  on the remote control, select **My TV**, and then select **Search**.
- 2 Select **Categories**. Select a category of program types such as Movies or Sports, and then press OK on the remote control. All items that match the category are displayed in the search results. You can sort them by date or by name.
- 3 Use the arrow buttons to scroll through search results and to select a program. Then press OK.
- 4 Select the program in the window, and then press OK on the remote control to begin watching the program in full-screen mode. If the program is not currently playing, you can select **Record** or **Record Series**, and then press OK.



Recorded TVs Schedules window displays a list of programs scheduled to record in the future, beginning with the current date. Each program is listed individually even if it is a part of a series.



Record Series means that you select to record each episode of that program from one channel. Media Center won't record duplicate episodes. Media Center also looks for alternative times to record an episode if a recording conflict happens.



If you turn off (shut down) your PC, Media Center will not record a scheduled program. The PC must be turned on or in standby mode to record a TV program. The PC will not automatically go into standby mode if Media Center is open.

Make sure you turn off the monitor and turn down or mute the volume if, for example, you have a scheduled recording in the middle of the night and don't want to be disturbed.

Recording TV Programs

Media Center allows you to record TV programs so that you can watch them when it is convenient. You can record the program you are watching, or you can record a future program or series from the Guide, the Search, or the Recorded TV window in My TV. After you have scheduled the recording of several programs or series, you can change the priority order in the My TV Settings window.

To record a TV program you are currently watching, just press the Record button on the remote control once.

If a recording error occurs, the program will not be recorded unless the conflict is resolved. If you try to schedule a recording and another is already scheduled for the same time, a conflict window appears and gives you the option to record the new program or record the previously scheduled program.

Media Center automatically records until the program is scheduled to be over, as listed in the Guide.

To make sure your program is being recorded, select **My TV, Recorded TV**, and then select **Scheduled**. The Record icon also appears next to the program in the Guide while you are recording. The Record icon disappears when the recording is complete.

Recording icons



The Record icon appears in the Television Program Guide next to the program scheduled to record.



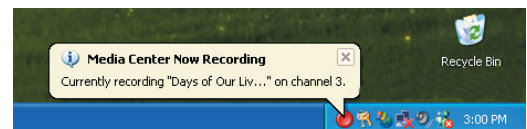
The Record Series icon appears in the Television Program Guide next to each occurrence of a program in a series that is scheduled to be recorded.



The Record Conflict/Error icon appears in the Television Program Guide and the taskbar if another program is scheduled to be recorded at the same time.

The Record icon in the taskbar

If a program is currently being recorded, the Record icon also appears in the taskbar. If you move your mouse over the icon, Media Center displays which program is currently being recorded. You can right-click the icon to open Media Center and stop recording.



Recording TV tips

- If you are watching live TV during a scheduled recording time, you can watch only the program being recorded. If you change channels, recording stops.
- If you go to another area in Media Center, the TV channel you last selected will be displayed in the inset window at the bottom of the window.
- Some channels can be shared by two or more networks, depending on the time of day. The Guide may display only one network's programming. This may cause recording options to be unavailable. You may need to manually update the Guide before scheduling a recording.



To copy a recorded TV program to DVD to view on a home DVD player, see "Copying Recorded TV Programs to DVD or CD" on page 110.

Important information about My TV and FM Radio

In Media Center, FM radio shares the use of the single tuner card with My TV. In Media Center, you are unable to watch or record TV and listen to FM radio at the same time.


When Media Center is scheduled to start a recording, a warning appears that says FM radio stops when the TV recording starts. If you do not select **Cancel recording**, Media Center automatically stops radio and begins recording TV.

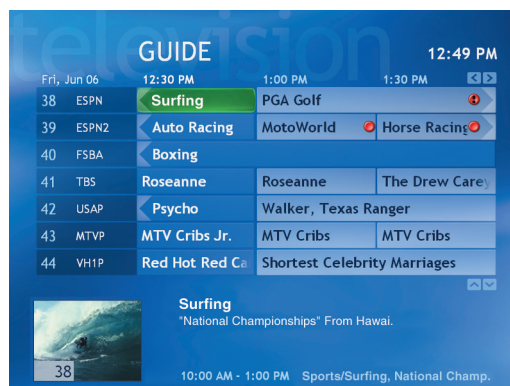
Standby mode and scheduled recordings

You should always close Media Center before you manually place the PC in standby mode, to avoid file corruption and other recording problems.

Recording TV from the Guide

To record a current or future program or series from the Guide:

- 1 Press the Start button  on the remote control, select **My TV**, and then select **Guide**.
- 2 To find the program you want to record, use the arrow buttons on the remote control, and then select the program. You can also press the numeric keypad on the remote control to go directly to a channel. Press the right arrow button in the Guide to select a program that will be broadcast in the future.



- 3** Press the Record button on the remote control.

The Record icon  appears next to the program in the Guide. Press Record twice to record a series.


The Record Series icon  is displayed to indicate a series. Press Record again to cancel the recording.

- 4** To return to the previous window, press Back on the remote control.

- 5** If there is a recording conflict, Media Center displays a message and allows you to select which program you want to record.

Recording TV from Search

You can find a program to record based on a keyword such as an actor or director name, program title, or a category (select models only). To record a current or future program or series using Search:

- 1** Press the Start button  on the remote control, select **My TV**, and then select **Search**.
- 2** Select **Title**, **Keyword**, or **Categories**. For Title and Keyword searches, enter your descriptive search words. Media Center starts searching from the first letter you type into the text box. For a Categories search, select the category you want and press OK.
- 3** Use the arrow buttons to scroll through the search results to select the program you want to record, select the program, and then press OK.

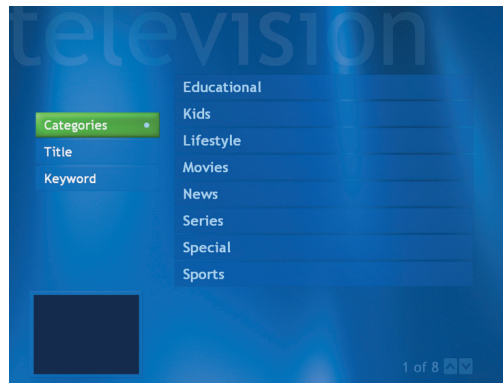


Title search



Keyword search

- 4 Select **Record** or **Record Series** in the window, and then press OK. The Record icon for a single program or the Record Series icon for a series appears next to the program in the Guide. If there is a recording conflict, Media Center displays a message and allows you to select which program you want to record.
- 5 To return to the previous window, press Back on the remote control.




Category search

Recording manually

Recording a program manually allows you to select a specific date, channel, and recording time period. For some programs, you may want to begin recording before the scheduled beginning and after the scheduled ending of the program.

To manually record a program or series from Recorded TV:

- 1 Press the Start button  on the remote control, select **My TV**, **Recorded TV**, and then select **Add Recording**.
- 2 Select **Channel and time**.
- 3 Enter the channel number using the numeric keypad on the remote control.
- 4 Select the (+) or (-) buttons and then press OK on the remote control to scroll through choices and enter the recording frequency, date, start and stop times, and storage and quality options.



- Recorded TV programs that have been copied to a DVD can be played on your PC and on some DVD players.
- Recorded TV programs can be backed up as part of a full system backup and restored to the same PC, but not to other PCs.

- 5 To set the recording and return to the Settings window, select **Record** in the window, and then press OK on the remote control.
- 6 To return to the previous window, press Back on the remote control.

To manually record a program or series from the Guide:

- 1 Press the Start button  on the remote control, select **My TV**, and then select **Guide**.
- 2 Select the program you want to record, and then press the Record button.


Changing TV Settings

In the My TV Settings window, you can change several settings that control how Media Center plays and records TV programs, as well as how it plays DVDs.

The TV Recorder settings allow you to control your recording priorities and options in Media Center.



Refer to Media Center Help for more information about recording errors, advanced recording features, and My TV settings.


- 1 Press the Start button  on the remote control.
- 2 Select **Settings**.
- 3 Select **TV**.
- 4 Select **Recorder**, and then select:
 - **History** to find out why programs weren't recorded. Media Center keeps a log of the last two weeks.
 - **Recorder storage** to change the amount of recording space on your hard disk drive or change the settings that affect the recording storage space.
 - **Recording defaults** to change the general recording settings that affect how and when your programs are recorded.
- 5 Select **Set up TV signal** to configure your TV signal to work with Media Center.
- 6 Select **Audio** to select settings for sound, captioning, and a preferred language.
- 7 Select **Guide**, and then select:
 - **Edit channels** to add or remove channels from your Television Program Guide.
 - **Add missing channels** to add the names and numbers of channels.
 - **Reset Guide lineup** to set up your Television Program Guide. You can change your postal code or television provider.
 - **Get Guide data** to manually update the Guide from the Internet.
- 8 Select **Adjust display settings** to adjust your TV or monitor settings for optimum picture quality.
- 9 Select **My TV** to select settings to start playing TV automatically or only when you select Live TV.

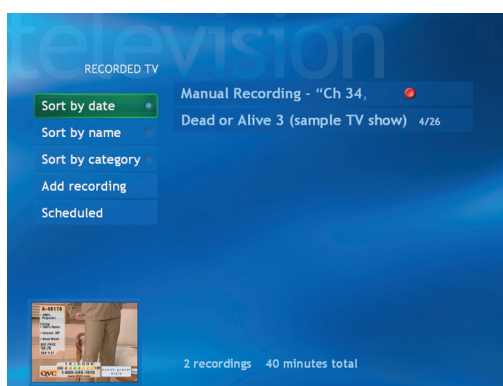
Playing Recorded TV Programs

Recorded TV is the storage place for all your recorded programs. In the Recorded TV window, you can sort your programs by name, date, or

category. You can also delete a recorded program or series of programs and check for any recording errors.

To play a recorded program

- 1 Press the Start button  on the remote control, select **My TV**, and then select **Recorded TV**.
- 2 To organize all of your previously recorded programs, select **Sort by date**, **Sort by name**, or **Sort by category**.
- 3 To begin watching the program, select the recorded program you want to watch, and then press the OK button on the remote control.




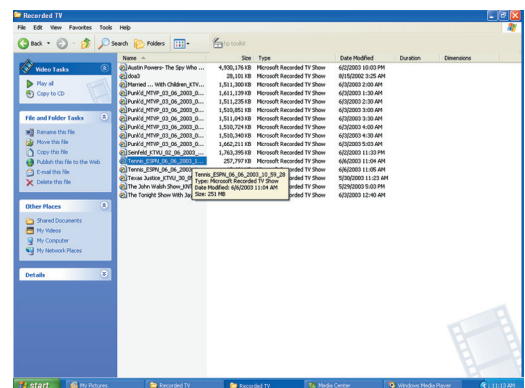
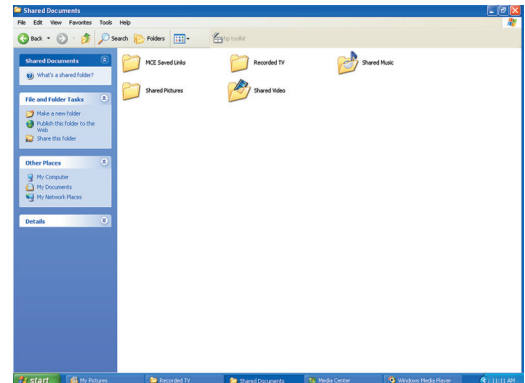


To play recorded TV programs in Windows Media Player, a PC requires:

- Windows XP operating system.
- Windows Media Player 9.
- A special Media Center codec file that may be available through Windows Update (for select models only).

Locating Recorded TV Programs for Viewing on the Desktop

- 1 Click **Start**  on the taskbar, and then click **My Computer**.
- 2 Double-click the **Shared Documents** folder.
- 3 Double-click the **Recorded TV** folder.
- 4 Double-click your Microsoft Recorded TV program file. A thumbnail picture of your recorded TV program is displayed by default.
- 5 To view your recorded TV program, use the playback controls.



About Recording Errors

A recording error means that a program scheduled to record was not recorded. This can occur for several reasons. If your PC was turned off and not in standby mode during the time the program was scheduled to record, or if there was a recording

conflict with another scheduled program, a recording error occurs. If you were watching live TV when the program was scheduled to record and declined the prompt to change channels, a recording error occurs.



For more information about troubleshooting the recording conflicts, refer to Media Center Help.

Common recording errors

Recording error	Description of error
Redundant	Program already exists in Recorded TV library or has been recorded and deleted in the past eight weeks.
Missed	PC was turned off during scheduled recording time.
Conflict	Another program was scheduled to record at the same time.
Canceled	You selected <i>Don't record</i> on the Program Info menu and canceled the recording.
Repeat	In Advanced Record, you selected <i>First Run</i> only for a series recording so any programs in a series that are not first run are not recorded.
Error	Unknown technical error: <ul style="list-style-type: none">■ Media Center failed to start the recorder.■ TV signal was lost.■ Failed communication with the set-top box.
Not enough space	Hard disk drive is full of recorded TV programs.
Deleted	You deleted the program.
Partial	Part of the program was recorded.

Viewing recording errors

1 Press the Start button  on the remote control, select **My TV**, **Recorded TV**, and then select **Scheduled**.

2 Select **History**.

Resolving Recording Conflicts

Media Center can record only one TV program at a time. If you schedule two recordings for the same time, a message appears telling you to resolve the conflict. If you don't resolve the conflict, Media Center automatically makes the selection just before the program begins recording. Before the program records, a conflict icon (a red circle with an exclamation point) is listed next to the program in

the Guide. Press the Start button on the remote control, select **My TV, Settings, Recorded TV**, and then select **Scheduled**.

To enable Media Center to resolve recording conflicts, you can set up how program recordings are handled. When you try to record a program and another is scheduled at the same time, Media Center prompts you to choose a program to record.

Recording priority rules

Media Center selects which program to record based on the following priority rules:

- 1 A scheduled program that is not a rerun
- 2 The program that was scheduled first
- 3 Manual recordings

Often, Media Center is able to find an alternative date and time for recording one of the programs so that both programs can be recorded. If one recording partially overlaps another, Media Center records to the end of the first and then begins recording the second.


After you resolve a recording conflict, the conflict icon continues to appear for the program that is not scheduled to record so you can return to the conflict and reverse it, if needed.

If you are watching TV while recording a program, you can watch only the channel being recorded. If a recording is scheduled to begin and you are watching a different channel, a message appears giving you the choice to change the channel to begin the recording. If no choice is made, the channel changes automatically.



If two recordings are in conflict, but one is scheduled to air at another time, Media Center displays a message with the option to record an alternate recording of one of the programs.

Resolving a recording conflict

- 1 Press the Start button  on the remote control, select **My TV, Recorded TV**, and then select **Scheduled**.
- 2 Select a program you want to change.
- 3 You have different options, depending on what type of recording you have set.
 - Select **Record** or **Don't record** in the window and then press OK on the remote.
 - Select **Record series** or **Cancel series**.




To select the recording start and stop times and other recording priority settings, select **Record settings** or **Series settings**, and then select the option you want.



Deleting a Scheduled Program or Series

To prevent recording conflicts, you may need to delete a program or series that is scheduled to be recorded.


- 1 Press the Start button  on the remote control, select **My TV**, **Recorded TV**, and then select **Scheduled**.
- 2 Use the arrow buttons to select the program title you don't want to record, and press OK.
- 3 To remove a single program, select **Don't record** in the window and press OK on the remote control.

Or

To remove the entire series from the recording schedule, select **Series**, **Cancel Series**, and then press OK.

Deleting a Recorded Program or Series

To free up hard disk drive space, you may need to delete a program or series that has been recorded.

- 1 Press the Start button  on the remote control, select **My TV**, and then select **Recorded TV**. All the programs you have recorded appear.
- 2 To select the program title you want to delete, use the arrow buttons, and then press OK.
- 3 To remove that program from the hard disk drive, select **Delete** in the window and press OK on the remote control, and then select **Yes**.



Blocking Unwanted TV Programs and Movies


(Select models only)

If you set Media Center to block unrated channels, an error could occur. It is recommended that you make sure this option is not selected.

To do this:



Parental control and caption display settings for TV and DVDs are included with select models only.


- 1 Press the Start button  on the remote control.
- 2 Select **Settings, General**, and then select **Parental control**.
- 3 Enter your four-digit code number.
- 4 Select **TV Ratings**.
- 5 Click **Turn on TV blocking**. Make sure that **Block unrated TV programs** is not selected.
- 6 If desired, you can select the **Maximum allowed TV rating** setting, select a rating, and then click **OK**. Selecting this setting does not cause an error.

Setting Movie/DVD or TV Ratings

(Select models only)



Some DVDs don't have ratings assigned to them.


- 1 Press the Start button  on the remote control.
- 2 Select **Settings, General**, and then select **Parental control**.
- 3 Enter your four-digit code.
- 4 Select **Movie/DVD ratings** or **TV Ratings**.
- 5 Select **Turn on movie blocking** or **Turn on TV blocking**.
- 6 Select **(+)** or **(-)** to select a maximum allowed movie rating.

Setting Caption Display

(Select models only)

If you set Media Center to display captions while in window mode (not full-screen mode), the window or the caption text may flash as the text scrolls in the window. To fix this problem, change the display to full-screen mode or turn off the caption display option.

To turn off the caption display option:

- 1** Press the Start button  on the remote control.
- 2** Select **Settings**, **TV**, and then select **Audio**.
- 3** Click (+) or (-) next to the Caption display to select:
 - **On** to view speech as text in a TV program containing the captioning signal.
 - **On when muted** to display speech in a muted TV program.
 - **Off** to disable caption display.

Displaying Teletext

(Select models only)

To display the Teletext toolbar:

- 1** While watching TV in full-screen mode, press the More Info button on the remote control to display the information bar.
- 2** Select the **Teletext** button on the information bar. The Teletext toolbar will also appear at the bottom of the screen so that you can navigate the Teletext pages.

For more information about the Teletext toolbar, refer to the help menu in Media Center.

About Teletext

Teletext is additional information that is broadcast within a TV signal. You can navigate the Teletext main page and subpages to find information such as the weather, sports scores, or community events. You can turn on subtitles in a specific language for a program you are watching. When a TV show is recorded, the Teletext subtitles are stored with the recording so you can view the subtitles when you play the recording later.

Teletext may not be available for all the channels you receive. The Teletext button will only display on the information bar if Teletext is available for that channel. If you would like more information about which channels have Teletext available, contact your TV service provider.

Safeguarding Recorded TV Programs

Most television broadcasters do not encrypt programs, so a recording can be played on any Media Center PC. A recording of a broadcaster-encrypted TV program, though, can be played only on the PC that recorded it.

When you record TV programs using Media Center, the TV program broadcaster may have an encryption code that Microsoft includes as a special code in the recorded files. This code is keyed to your PC and is required to play broadcaster-encrypted TV programs previously recorded to your hard disk drive, copied to DVD, or copied to other media. When you perform a system recovery or replace the hard disk drive in your PC, you lose the special code.

You can safeguard your capability to play recorded TV programs by making a backup CD and using it as described in the procedures provided here. Make the backup CD now, before you need it, so that you can use the CD after you perform a system recovery

or replace the hard disk drive in your PC. If you do not have the backup CD after you perform a system recovery or replace the hard disk drive, you will not be able to play any previously recorded TV programs that are broadcaster encrypted.

The procedures that follow describe how to prepare your PC, make the backup files you need, copy the file to CD, and use the backup CD to restore the files to your PC after a system recovery.

To safeguard your recorded TV programs you need to:

- Prepare the code key files.
- Make a backup CD.
- Perform a System Recovery, if necessary.
- Use the code key backup CD after a system recovery.

Important information about recorded TV programs

When you replace the hard disk drive, you lose any files or software that you created, saved, or installed on the PC. You also lose a special code that Microsoft includes in the files of the recorded TV programs.

Without the code, Media Center will not play the TV programs previously recorded to disk or copied to DVD or to other media.

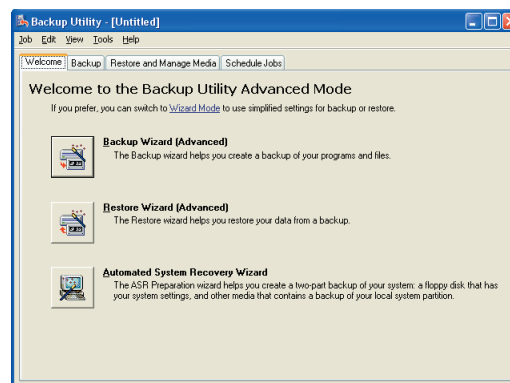
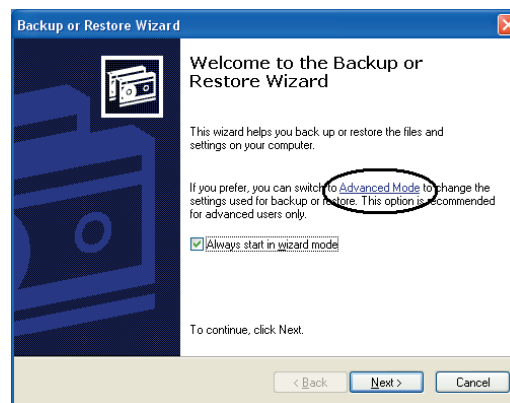
Preparing the code key files

- 1 After you set up your PC and turn it on, complete the initial Microsoft Windows setup. Open Media Center and complete its setup.
- 2 Record at least one TV program.
- 3 Close Media Center.
- 4 Open the Microsoft Backup utility: Click **Start** on the taskbar, choose **All Programs**, **Accessories**, **System Tools**, and then click **Backup**. The Backup or Restore Wizard opens.
- 5 Click the **Advanced Mode** link near the middle of the window.

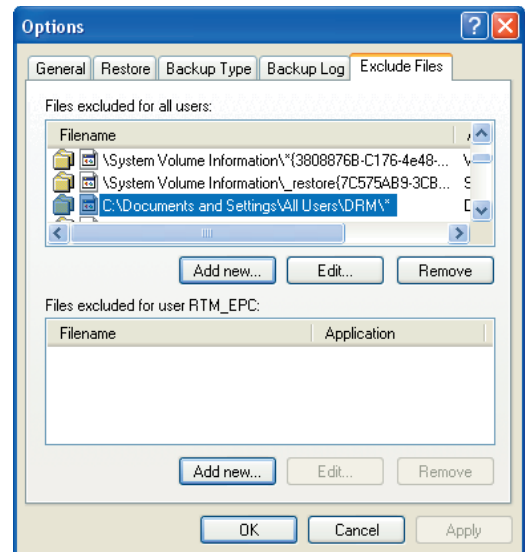


The code key files and backup CD you make can be used in your PC only.

- 6 At the top of the Backup Utility window, click **Tools** and select **Options**.
- 7 Click the **Exclude Files** tab.



- 8 In the *Files excluded for all users* box, put your cursor over the vertical line between Filename and Application in the title bar, and then click and drag the line to the right to see the full entries.
- 9 Scroll down the list to see and then click the entry: **C:\Documents and Settings\All Users\DRM***
- 10 Click **Remove**, click **Apply**, and then click **OK**. The Options window closes.
- 11 In the Backup Utility window, click the **Backup** tab.
- 12 In the left box, click the plus sign (+) for Local Disk (C:). The file tree expands. Click the plus sign (+) for Documents and Settings, click the plus sign (+) for All Users, and then click the **DRM** box so a check mark appears.
- 13 Scroll down the list and click the **System State** box so a check mark appears.
- 14 At the bottom of the window, beneath *Backup media or file name*, click **Browse**. Because a diskette is too small to save the backup file on, you will need to save the file to the desktop portion of the hard disk drive before writing the file to CD. If the message *Insert a disk into drive A* appears, click **Cancel**.
- 15 The *Save as* window opens. In the *Save as type* box, select **Desktop** from the drop-down list. In the *Save as* box, use the default name (Backup.bkf) or type in a file name with the extension .bkf and then click **Save**. The window closes.



- 16 Click **Start Backup** in the Backup Utility window. The Backup Job Information window opens.
- 17 Click **Start Backup**. The Backup Progress window opens. When the process finishes, the window displays the message *The backup is complete*.
- 18 Click **Close**.
- 19 Close the Backup Utility window. Continue with the next procedure.

Making the backup CD

- 1** Click **Start** on the taskbar, choose **All Programs, CD (DVD) Recorder**, if present, **RecordNow!**, and then click **RecordNow!** again. The RecordNow! window opens.
- 2** Insert a blank CD.
- 3** Select the Data Projects tab, and then click **Data Disc**.
- 4** Click **Continue**.
- 5** Click **Add Files and Folders**. The *Select files and folders to add* window opens.
- 6** In the *Look in* box, select **Desktop** from the drop-down list.
- 7** Click the backup file (for example, Backup.bkf) so it appears in the File name box. Click **Add**. The window closes.
- 8** In the RecordNow! window, click the red **Burn** icon. If a warning window opens, click **OK**.
- 9** Wait while the program writes to the CD and the disc tray ejects.
- 10** Remove the CD, label it, and store it in a safe place for use with the next procedure. Click **Done**.
- 11** Close the RecordNow! window.
- 12** Because you do not need the backup file you created, drag the file to the Recycle Bin on the desktop. This deletes the copy of the file that was on the hard disk drive.

Using the code key backup CD after a system recovery

- 1** Insert the backup CD you made into a drive. The drive window opens and shows the disc contents.

Or

If the window doesn't open automatically, click **Start, My Computer**, and then right-click the drive icon to view the contents of your backup disc.
- 2** Double-click the backup file (for example, Backup.bkf). The Backup or Restore Wizard opens.
- 3** Click **Next**.
- 4** Choose **Restore files and settings**, and then click **Next**.
- 5** When the *What to restore* window opens, click **Browse**, and the Browse window shows the A: drive.
- 6** Click **Browse** again, and the window shows *Select file to catalog*.
- 7** Click the drop-down menu arrow and click the optical drive with the backup CD.
- 8** Click the backup file name.
- 9** Click **Open** and then click **OK**.
- 10** In the Items to restore box, click the plus sign (+) for the backup file name. The file tree expands. Click the **C** box so a check mark appears. Click the **System State** box so a check mark appears.
- 11** Click **Next**.

12 The Backup or Restore Wizard window shows the message *You have created the following restore settings*. In the window, click the **Advanced** button. Click **Next**.

13 A warning message window opens. Click **OK** in the Warning window.

14 Select **Replace existing files** and then click **Next**. Click **Next** again. Click **Finish**. The Restore Progress window opens.

15 Wait until the process completes, and then click **Close** in the Restore Progress window.

16 A Backup Utility message window opens. Click **Yes** to restart the PC. Wait until the restart completes.

Open Media Center and complete the setup. You can now play previously recorded TV programs that are broadcaster encrypted.

Managing Hard Disk Drive Space



The hard disk drive space on your PC may differ from the space listed on this page. The Windows XP operating system, large data files, and software programs require disk space.

The space available for recording TV programs depends on your hard disk drive allocation, drive size, and default recording quality selections. The HP Media Center PC requires a certain amount of space to run your Windows XP operating system, run software programs, and store data files. If your hard disk drive becomes full, it may affect the PC speed and performance. You may need to free up storage space to record more programs or to

optimize the performance of your PC. There are several things you can do to optimize and increase your hard disk drive space.

The PC comes with a hard disk drive. Depending on your model, the hard disk drive has 80 gigabytes (GB) to more than 200 GB of total disk space. The PC comes with preloaded software programs and a backup partition within the hard disk drive that takes up a certain amount of space on the hard disk drive.

Increasing hard disk drive space

- Adjust TV recording settings.
- Adjust Recorder storage settings.
- Use the Disk Cleanup Utility.
- Adjust the System Restore settings.
- Delete recorded TV programs from the Recorded TV folder in Shared Documents.
- Uninstall software programs.
- Archive TV programs to a DVD if your PC has a DVD Writer drive. See "Recording TV Shows to DVDs" on page 109.

Recording quality and hard disk drive storage space

The space available for recording TV programs depends on your hard disk drive size, the percentage of hard disk drive space allocated to recorded TV, and the recording quality setting.

To get the maximum recording time, change the recording quality to Fair instead of the default setting of Best.


Quality of recording	Hard disk drive space used
Best	*3 GB/hour
Better	*2.4 GB/hour
Good	*2 GB/hour
Fair	*1 GB/hour

*This table shows approximate sizes of recorded TV program files. Some files may be smaller or larger.



To optimize storage space on your hard disk drive, you can change recording and storage settings in My TV.

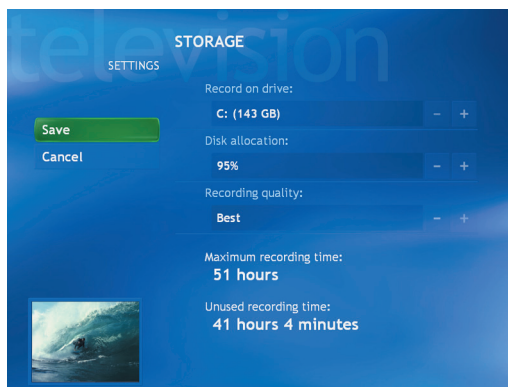
Adjusting TV recording and storage settings

- 1 Press the Start button  on the remote control.
- 2 Select **My TV, Settings**, and then select **Recorder**.
- 3 Select **Recorder storage** to change your Disk allocation and Recording quality settings. Increase the percentage of hard disk drive space available for recorded TV programs in Default Settings. Select between 5 and 90 percent. The default is set at 75 percent.

Or

Select **Recording defaults** to change your recording storage settings; for example, you can increase the available disk space. Select **Fair** as the default recording quality. The better the quality of the recording, the more space the file takes. Select **Until I watch** as the Keep setting for each recorded program.

- 4 Select (+) or (-) to select your options, and then select **Save**.



The storage space for your PC may differ from the amount listed here.

Using the Disk Cleanup utility

- 1 Click **Start** on the taskbar.
 - 2 Choose **All Programs, Accessories, System Tools**, and then **Disk Cleanup**.
 - 3 Select **HP Pavilion (C:)**, and then click **OK**.
 - 4 Select the type of files you want to delete.
 - 5 Click **OK**.
-

Adjusting System Restore settings

- 1 Click **Start** on the taskbar.
 - 2 Right-click **My Computer**.
 - 3 Click **Properties**.
 - 4 Select the **System Restore** tab.
 - 5 Select **HP Pavilion (C:)**, and then click the **Settings** button.
 - 6 Move the *Disk space to use* slider to a lower setting to save disk space.
 - 7 Click **OK**.
-

Deleting recorded TV programs

- 1 Click **Start** on the taskbar, and then click **My Computer**.
 - 2 Double-click **Shared Documents**, and then double-click **Recorded TV**.
 - 3 Right-click recorded TV files, and then select **Delete**.
-

Uninstalling software programs that are not needed

- 1 Click **Start**.
- 2 Click **Control Panel**.
- 3 Double-click **Add or Remove Programs**, if it is present.
- 4 Click the program, and then click the **Change/Remove** button.
- 5 Click **OK** when the confirmation window opens.
- 6 Repeat steps 4 and 5 for each program you want to remove.
- 7 Click **Close**.

Playing Music Files

The My Music window in Media Center works with Windows Media Player to find and play your music files and CDs. You can use Windows Media Player to create your music library and then use Media Center to find and play your music using your remote control.

In My Music you can:

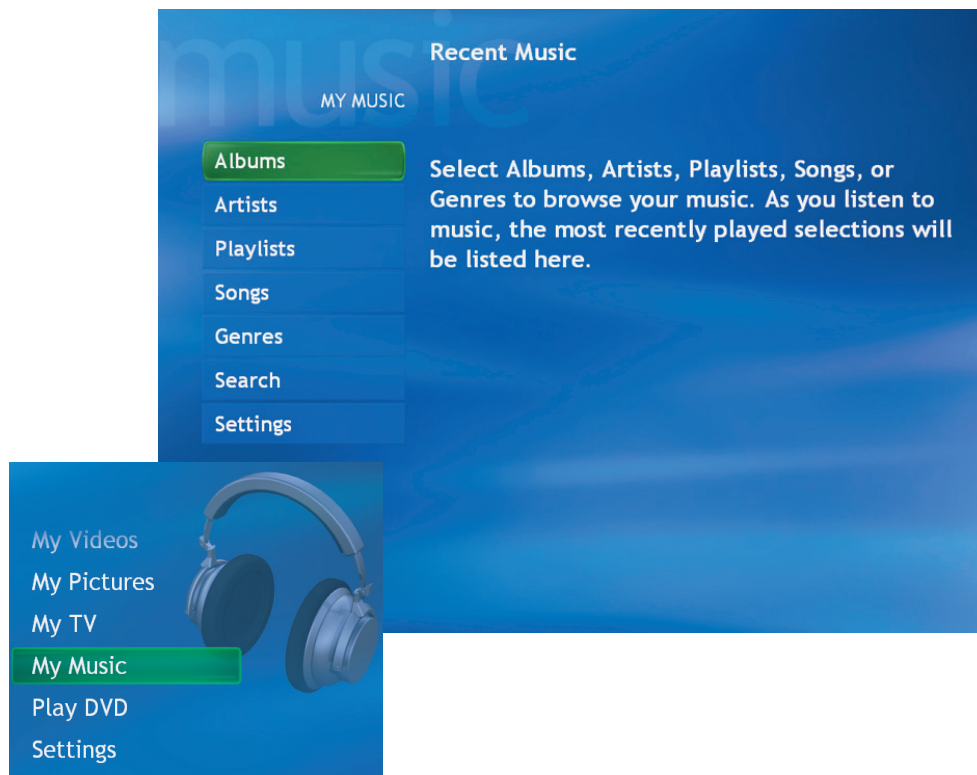
- Play music CDs. Skip, shuffle, or repeat songs or albums.
- Play digital music files from a music library you create and organize using Windows Media Player.
- Search for music files by categories: album, artist, playlist, song, or genre.
- Download album information such as artist name, song title, length of song, album name, label, year, and cover art.
- Play a music playlist with a slide show.
- Copy music tracks from a CD to your Windows Media Library.
- Display visualizations when playing music CDs.
- Buy music online from the Now Playing page in My Music. The Internet browser opens the Windows Media Web site where you can listen to and buy music by the artist or album you are listening to at the time.



You can store your music files in the My Music folder or in other folders on your hard disk drive, but you need to add those files to the Windows Media Player Library for Media Center to be able to find and play them.



The PC must be connected to the Internet to view album information.





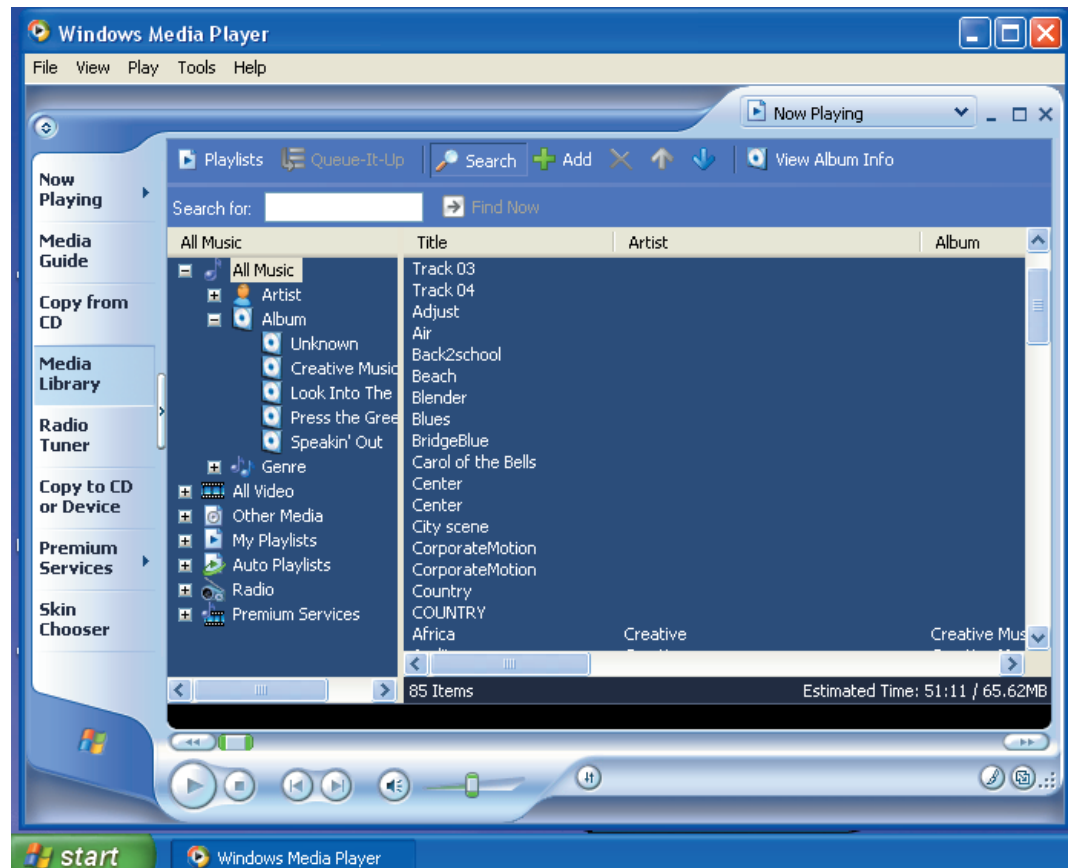
Media Center can find and play only those files that have been added to the Windows Media Player Library.

Using Windows Media Player

Windows Media Player allows you to copy digital music files and organize a music library that you can access by using the My Music window in Media Center. You can:





- Create playlists of your favorite songs.
- Create a music library by copying tracks from CDs or adding music files from the Internet.
- Organize digital music files by album, artist, playlist, or genre.
- Edit information about music files, such as the song title, music type, or artist name.
- Share music files with others.
- Listen to a radio station on the Internet.
- Play DVD and VCD movies.
- Delete files from your music library.



Creating a Music Library

When you add music files to your music library, they are placed into your My Music folder in Windows Explorer and in the Media Library in Windows Media Player. You can also find them in Media Center.

Adding music files

- 1** Click **Start**  on the taskbar, choose **All Programs**, and then click **Windows Media Player**. 
- 2** Click the **Media Library** tab on the side of the window. The first time you select Media Library, a message tells you that Windows Media Player needs to search your computer for your music files.
- 3** Click **Yes**. Windows Media Player searches for all available audio media and places them in the Media Library. If you choose No, you can go to the Tools menu and search for media to add later. Select drives, and then click **Search**.
- 4** To add files from a CD to your Media Library:
 - a** Insert the CD.
 - b** Select **Copy from CD** from the tabs on the left.
 - c** Select the tracks you want to copy by placing a check in the box next to the track.
 - d** Select **Copy Music** in the menu bar. You can select to copy your music files as MP3 files or as Windows Media Audio files (.wma).
- 5** Click the **Media Library** tab to see where your new audio files have been placed. You can rename files by right-clicking the file, selecting **Edit**, and then typing a new name or genre over the old one. The way you label your music files determines the category in which they are placed.

The added music files can immediately be found and played back by using My Music in Media Center.

For more information about adding music files to the Media Library, use the Windows Media Player Help menu.

Deleting music files

- 1** Click **Start**  on the taskbar, choose **All Programs**, and then click **Windows Media Player**.
- 2** Select the **Media Library** tab.
- 3** Select the file you want to delete.
- 4** Click the delete icon  on the menu bar, and then select **Delete from Library**.
- 5** Select the option to **Delete from Media Library only** or **Delete from Media Library and my computer**, and then click **OK**.

Searching the Computer for Music Files

You may have already copied and organized your music files on your hard disk drive. If so, you need to add them to the Windows Media Player Library to access them with the Media Center.

To add music files that are stored in your My Music or Shared Music folder on your hard disk drive:

- 1 Click **Start**  on the taskbar, and then click **Windows Media Player**.
- 2 Click the **Media Library** tab.
- 3 Select **+ Add** on the menu bar, and then select **By Searching Computer**. Click the arrow on the search or drop-down list to search a specific drive.
- 4 Click **Search**. Windows Media Player searches the selected drives for all supported audio files and adds them to the Media Library.

If Windows Media Player does not recognize all of your audio files, try copying the files directly into Windows Media Player. Refer to Windows Media Player Help for more information.

The music files can now be found and played in the My Music window in the Media Center. You may need to close and open Media Center for the added music files to appear in My Music.



For more information about music file formats, use Windows Media Player Help and Media Center Help.

Only supported audio file types are displayed in the My Music window. Unsupported files won't play.


Using supported music file types

You can play the following types of digital audio files in Media Center. You can also select Media Center as the default player for any of the listed file types. Refer to Windows Media Player Help for more information about supported file types.

File extension	File type
.cda	CD audio
.wav	Windows audio file
.mp3, .m3u	Audio files
.asf, .asx, .wax, .wm, .wma, .wmd, .wmv, .wvx, .wmp, .wmx	Windows Media audio files

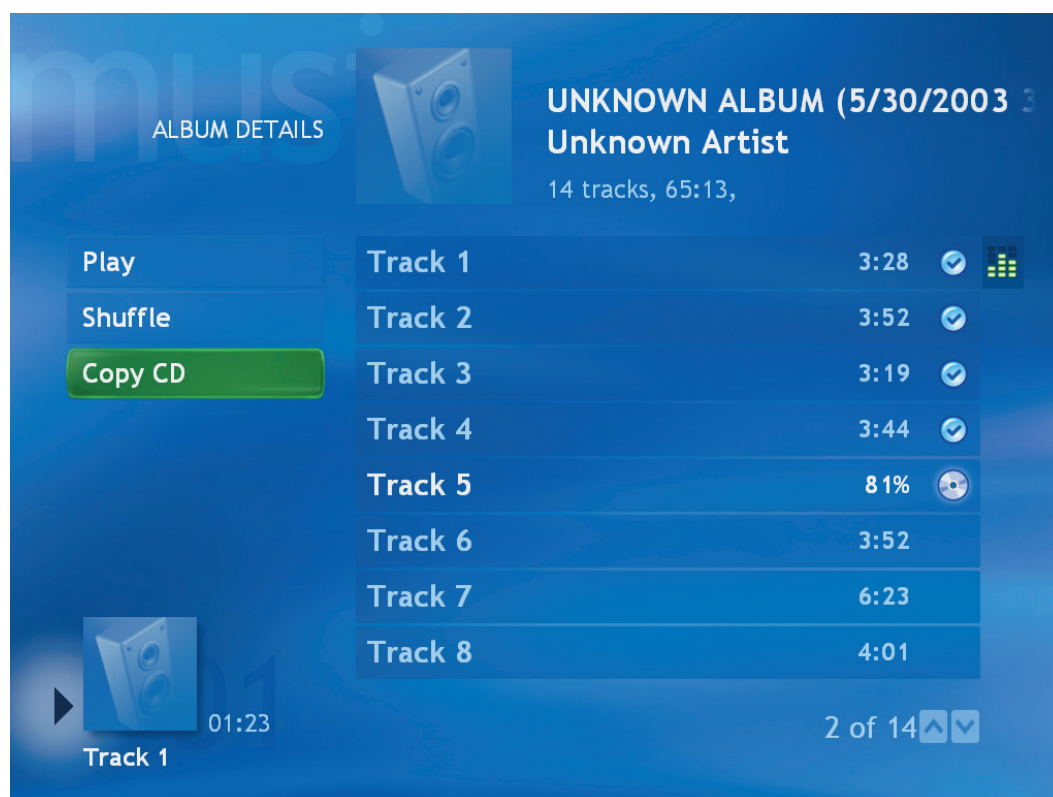
Adding CD Tracks to the Music Library

To add the CD tracks to your Media Center music library:

- 1 Press the Start button  on the remote control, and then select **My Music**.
- 2 Insert a CD into the CD drive.
- 3 Select the CD you want to copy from the My Music main window.
- 4 Select **Copy CD**. The first time you copy a music CD you must select your copy protection option, and then follow any onscreen instructions.
- 5 Select **Yes** to begin copying tracks to your music library. This process may take several minutes, depending on the length of your music tracks.
- 6 Click **OK**.



Each time you add music files outside of Windows Media Player, you must use the Tools menu to add music files to your Windows Media Player Library for Media Center to find them.





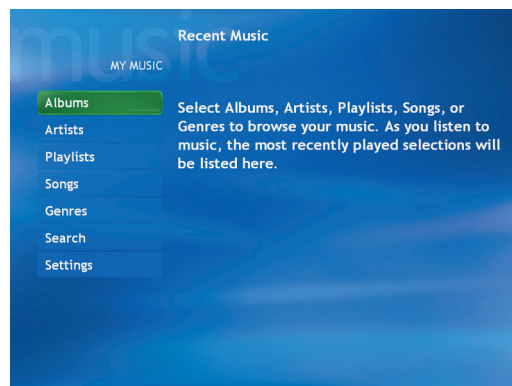
You can place all your music files into the My Music folder or into other folders on your hard disk drive, but you need to add those files to the Windows Media Player Library for Media Center to be able to find and play them.

Playing Digital Music Files

When you first open the Media Center and open the My Music window, you may not find any music files listed unless there is a music CD in your CD drive or unless you have already added audio files to your Windows Media Player Library.

If you don't have any music files listed, you need to add music files to the Windows Media Player Library and then restart Media Center to play your music files in Media Center.

When you copy music files using Windows Media Player and your computer is connected to the Internet, the CD information is copied and displayed in Media Center and in the Windows Media Player Library.




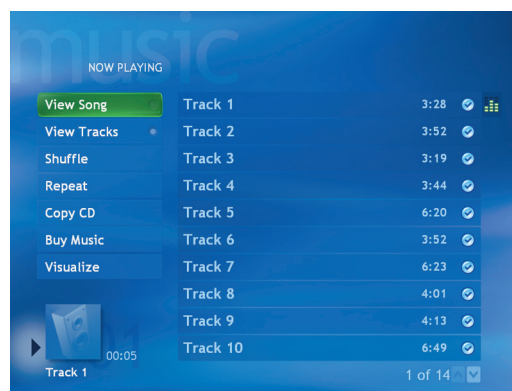
Playing a music CD using Media Center

If you insert a music CD when Media Center is not open, a message appears asking what you want to do. You can select Windows Media Player as your default audio player. If you have another program set as the default audio player, Windows opens this program and begins playing the CD.



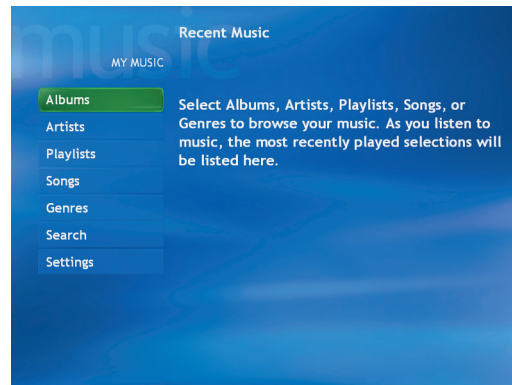
The PC must be connected to the Internet to view song information.

- 1 Press the Start button  on the remote control.
- 2 Insert a music CD into the CD drive; the CD plays automatically in Media Center. If you have other media such as live TV already playing when you insert the CD, Media Center asks you if you want to play the CD. Select **Yes** to begin playing the CD.



Finding Music Files in My Music

After you have added and organized files in Windows Media Player Library, you can browse through your music files in the My Music window. You can search for music files by album title, artist, song title, or music genre. You can also use the search feature to quickly find a specific song, album, or artist.



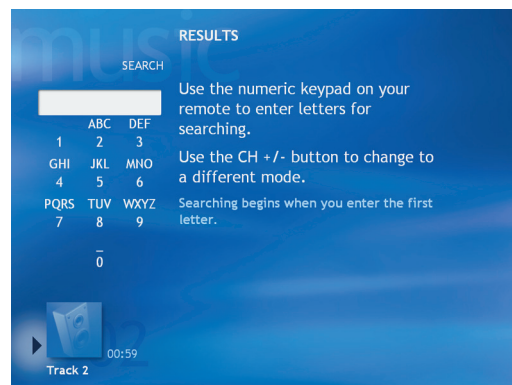
To display CD information such as song titles and cover art in Media Center or in Windows Media Player, your PC needs to be connected to the Internet. Without an Internet connection, the music files are labeled *unknown*, and only track numbers and playing times are displayed.

To find a music file

- 1 In the My Music window, select **Albums**, **Artists**, **Playlists**, **Songs**, or **Genres** to display a list of all items in that category. In these windows you will have other options, depending on the category you select.

Or

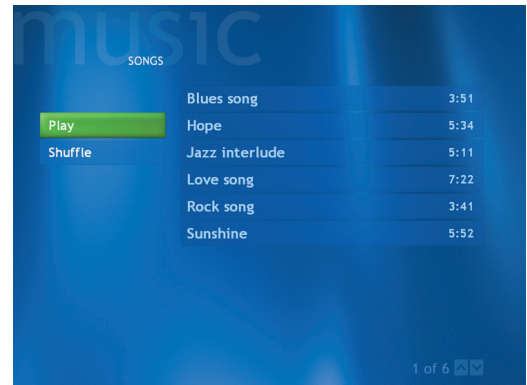
Select **Search**. Use the numeric keypad buttons on the remote control or your keyboard to enter a descriptive word, song title, or artist name and display a list of all the titles that match your entry.





When copying music tracks, a check mark appears next to the track after it has been copied to the music library.

- 2 Use the arrow keys to select a music file, and then press the Play button on the remote control to begin playing that music file.



Playing a Song

You can play a song from anywhere in My Music. You can select it from the View Song list, or from the Album, Artist, and Genre lists. You can also play a single song from a playlist:

- 1 In the My Music window, select **Songs**. The list displays all the songs in your media library.
- 2 Use the arrow buttons to select a song, and then press OK or Play on the remote control to play it.



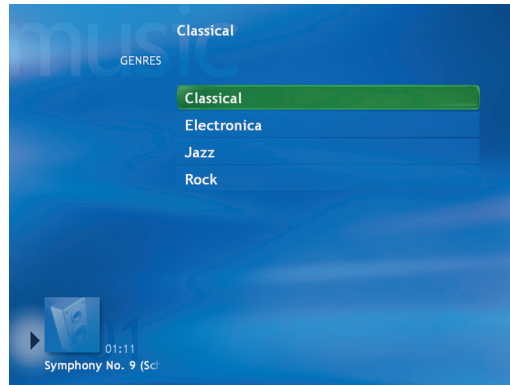
You can select **Visualize** in the **Now Playing** window to see a visualization while you play a music track.



Setting Up an Automatic Disc Jockey

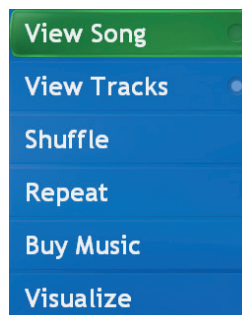
You can select to have Media Center randomly play all the available songs in one genre:

- 1 In the My Music window, select **Genres**. The list displays all the genres available in your Media Library.
- 2 Use the arrow buttons to select a genre, and then press OK on the remote control.
- 3 Use the arrow buttons to select **Shuffle**, and then press OK on the remote control. All songs in that genre are randomly played.



Finding and Playing an Album

- 1 In the Media Center Start menu, select **My Music**, and then select **Albums**.
- 2 To organize all of the albums available, select **View by list** or **View by cover**.
- 3 To select an album, use the arrow buttons, and then press OK on the remote control. You can also select:
 - **Shuffle** to rearrange the music tracks on the album.
 - **Play** to play the album selected. The Now Playing window opens, and the album starts playing.



When you select Buy Music, your Internet browser opens the Microsoft Web site. Here you'll find information about the artist or album you're currently listening to or similar artists. You have the option to purchase CDs.

- 4** In the Play window, select a song and press OK on the remote control. After play begins, you can also select:
- **View Song** to view cover art and play one track.
 - **View Tracks** to view a list of all tracks on the album.
 - **Shuffle** to rearrange the play order.
 - **Repeat** to play the album again.
 - **Buy Music** to connect to the Internet, find CD information, and buy music CDs. To go back to Media Center, press Start on the remote control.
 - **Visualize** to view a picture while listening to a song.
- 5** To return to the previous window, press Back on the remote control.
-



When recording a CD track, Windows Media Player Library automatically skips over songs that are already included in the Library.


Creating a Playlist

A *playlist* is a customized list of digital music files. Using playlists, you can group various digital music files together and determine the order in which you want the files to play. You can create a playlist that

includes several tracks from various CDs or even a playlist that contains background music for a slide show.

Use Windows Media Player to create playlists and then play them back using Media Center.

To create a playlist

- 1** Click **Start**  on the taskbar, choose **All Programs**, and select **Windows Media Player**.
- 2** Select **Media Library**.
- 3** Click **Playlists** in the menu bar, and then click **New Playlist**.

- 4 Type a name for your playlist, and then click **OK**. The new playlist should appear under the My Playlists area of the Media Player window.
- 5 In the Media Library, right-click the music file that you want to add to your playlist, and then click **Add to Playlist**.


- 6 Select your playlist from the Add to Playlist window, and then click **OK**. Repeat this step until all of your files are added. You can now play your playlist in Media Center.

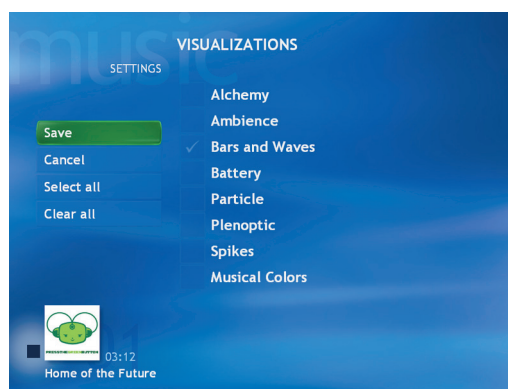
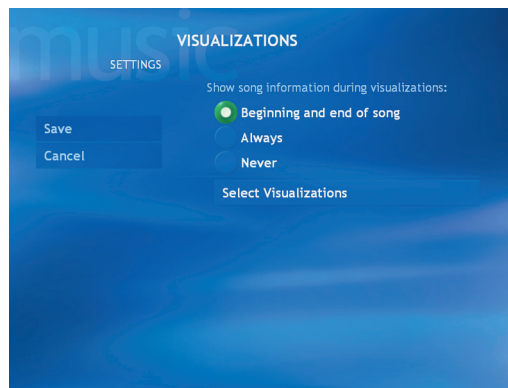


If your PC is connected to the Internet, the CD track titles and cover art appear in Media Center.

Selecting a Visualization

To select which visualization to display when you play a song:

- 1 Press the Start button  on the remote control, select **My Music**.
- 2 Select **Settings**.
- 3 Select **Select Visualizations**.
- 4 Select the visualizations you want by placing a check mark next to each one.
- 5 Select **Save**.
- 6 Select a song visualization option and then select **Save**.



Working with Pictures

The My Pictures and HP Image Zone Plus areas in Media Center are great ways to view, organize, and print your pictures.

With My Pictures, you can organize your pictures into folders you create in the My Pictures directory in Windows Explorer. For more information about using My Pictures, see "Using My Pictures in Media Center" on page 76.

With HP Image Zone Plus, you can organize your pictures by assigning a date, keyword or place. For more information about using HP Image Zone Plus, see "Using HP Image Zone Plus in Media Center" on page 84.

Working with digital images

You can connect a digital image source, such as a digital camera or a digital video camera, directly to the PC or through a docking station. Digital picture files you copy or download from the device appear

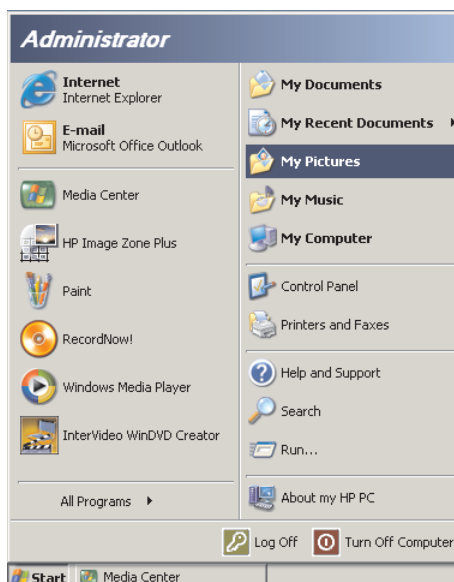
in the My Pictures folder. You can copy digital picture files from the memory cards used by digital cameras and other digital imaging devices by using the memory card reader (select models only).



Using My Pictures in Media Center

My Pictures is a folder on your hard disk drive in the My Documents folder, and it is a Media Center menu item which allows you to view and search for your digital images by using the remote control or the keyboard and mouse.

It provides all the tools you need for viewing, organizing, editing, printing, sharing, and protecting your digital images.



My Pictures Folder in Windows Explorer



My Pictures Menu in Media Center

Organizing Pictures in My Pictures

For Media Center to find and display your pictures, they can be stored in several places:

- The My Pictures folder on your computer.
- The Shared Pictures folder on your computer, which allows you to share your pictures with others.
- On other removable media such as a memory card, a DVD-ROM, or a CD-ROM.



When you save pictures from your digital camera or scanner to your computer, Windows automatically stores them in the My Pictures folder in Windows Explorer unless you manually store them in another place.

Before opening Media Center and viewing your pictures, you may want to spend some time organizing your pictures by creating picture folders in the My Pictures folder in Windows Explorer.

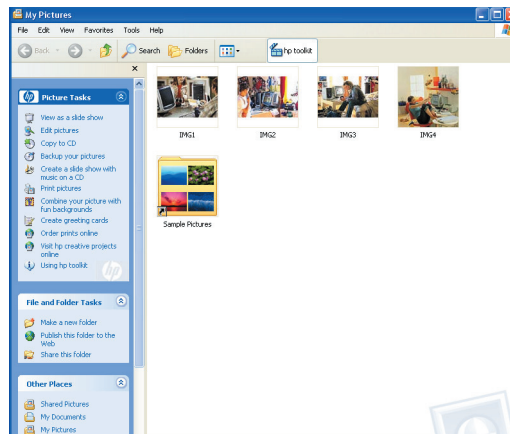


- Each user has a separate **My Pictures** folder that can be opened only by that person. You can share pictures by storing them in the Shared Pictures folder.

- When you download pictures from the Internet, you can use the browser in Windows Explorer to place your pictures in the My Pictures folder.

Creating picture folders in My Pictures

- 1 Click **Start**  on the taskbar, and then click **My Pictures** to open the My Pictures folder in Windows Explorer.
- 2 Select the **File** menu, select **New**, and then click **Folder**. Type a name for your personal picture folder.
- 3 Locate your picture files and move them to the My Pictures folder in Windows Explorer:
 - a Click **Start, My Computer**, and then select the drive or removable device where your pictures are located.
 - b Click and drag your photos to your My Pictures folder.
 - c You can add, delete, rename, and organize your picture files into specific folders within My Pictures, such as Vacation or Birthday.






From the **My Pictures** menu, you can select **Settings** to:

- Select a slide transition, slide time delay, and a background color.
- Include picture folders you have created.
- Show captions.
- Display your pictures randomly.
- Show song information during slide show.

Viewing Pictures in My Pictures

After you organize your pictures in the My Pictures folder in Windows Explorer, open Media Center to view your pictures:

- 1 Press the Start button  on the remote control.
- 2 Select **My Pictures**. The right side of the window shows a small picture image (thumbnail) and, if you've organized your pictures into folders, folder icons. The pictures are displayed just as you organized them in the My Pictures folder in Windows Explorer.
- 3 Use the arrow buttons on the remote control to move through your picture files and folder files and select a picture.
- 4 Press OK to select a picture or folder to view. The selected picture opens in full-screen mode.
- 5 Press OK again to zoom in 150%; press OK again to zoom in 225%. Press the arrow buttons to pan across a picture. To return the picture to the original size, press OK a third time.



If the message *Image cannot be displayed* appears, the file may be corrupted or it may be an unsupported file type. You may need to edit your image with a photo editor and save it in a supported file format.


Using supported picture file types

You can view the following types of image files in Media Center.

File extension	File type
.jpg, .jpeg	Joint Photographic Experts Group
.tif, .tiff	Tagged Image File Format
.gif	Graphics Interchange Format
.bmp	Bitmap
.wmf	Windows MetaFile
.png	Portable Network Graphics

- Only supported image file types are displayed in My Pictures. Unsupported files are skipped in a slide show.
- Folder icons appear even if the images inside them cannot be displayed.
- Corrupted and unsupported image file types display a generic image icon but cannot be displayed in Media Center.
- Some file types are supported only if appropriate filters and software are installed.

Zooming in and panning across your pictures


- 1 Press the **Start** button  on the remote control.
- 2 Select **My Pictures**.
- 3 Select a picture you want to view.
- 4 Press OK on the remote control once to magnify 150%.
- 5 Press OK again to magnify 225%.
- 6 Once you have zoomed in, you can use the arrow buttons on the remote control to pan around the image.
- 7 Press OK again to return the picture to the original size.

Sorting pictures

To organize your pictures by date or by name:

- 1 Select **My Pictures** on the Media Center Start menu.
- 2 Select the folder of pictures you want to sort. If you want to sort all your pictures, do not select a folder.
- 3 Select **Sort by date** or select **Sort by name**.

Viewing pictures as a slide show

- 1 Press the Start button  on the remote control.
 - 2 Select **My Pictures**.
 - 3 Select the folder of pictures you want to view as a slide show, and then press OK.
 - 4 Select **Play slide show**, and then press OK.
 - 5 Press the More Info button to display picture information.
 - 6 Press the Back button to go to a previous picture. Use the arrow buttons to display the next or previous pictures.
- If you do not select the pictures you want to view as a slide show, Media Center uses the first folder listed. If you have picture files that are not stored in folders you created, Media Center plays all files stored in the My Pictures folder.

Viewing a slide show with music


- 1 Select **My Music** on the Media Center Start menu.
- 2 Select the music you want, and then press OK on the remote control. If the music doesn't start automatically, press the Play button on the remote control.
- 3 To go back to the Media Center Start menu, press Start on the remote control.
- 4 Select **My Pictures**.
- 5 Select the folder of pictures, and then press OK.
- 6 Select **Play slide show**, and then press OK. When Media Center switches to full-screen mode, the inset window disappears but the music continues to play.

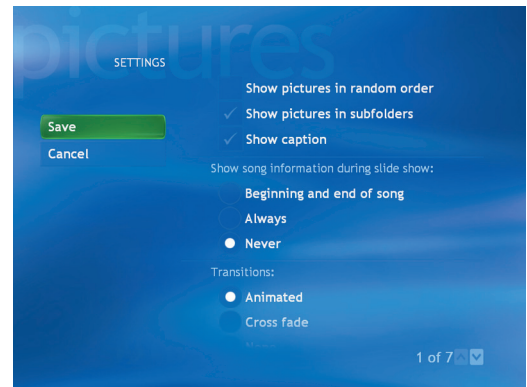
Changing picture settings

Each user can set his or her own picture settings.




Use the scroll arrows at the bottom of the picture settings window to view all of the options.

- 1 Press the Start button  on the remote control.
- 2 Select **Settings**. You may need to select the scroll arrows on the Start menu to view Settings.
- 3 Select **Pictures**.
- 4 Select an option. Press the OK button on the remote control to select a specific setting.
- 5 When you have selected all of your picture settings, select **Save**.




Turning on or off photo captions

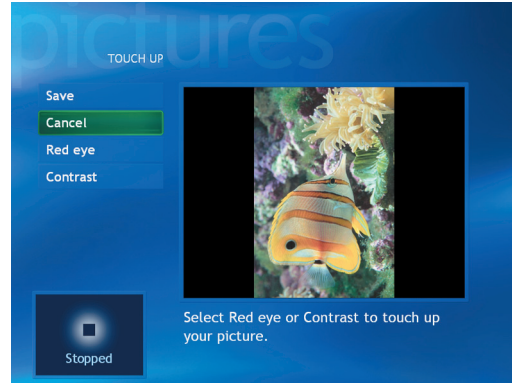
A caption displays the file name or title and the date the file was created or edited, whichever is first.

- 1 Press the Start button  on the remote control.
- 2 Select **My Pictures**.
- 3 Select **Settings**.
- 4 Select the **Show caption** check box and then press OK.
- 5 Select **Save**, and then press OK.

Editing Pictures in My Pictures


To fix red eye or contrast in your picture:

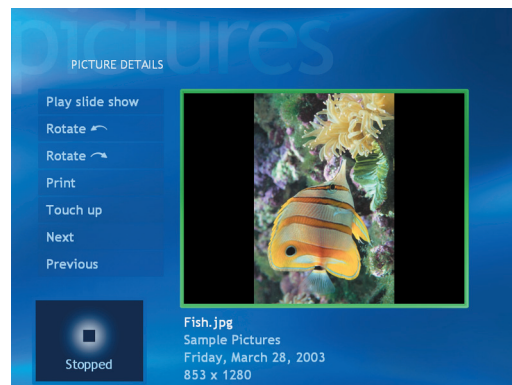
- 1 Press the Start button  on the remote control.
- 2 Select **My Pictures**.
- 3 Select the picture you want to edit.
- 4 Press the More Info button on the remote control.
- 5 Select **Touch up**.
- 6 Select **Red eye** or **Contrast** and then press OK.
- 7 After you select the options you want to fix, select **Save**. The picture is displayed with the new settings.




Rotating pictures

If your picture appears horizontally or vertically and you want to change the orientation, you can change it in Media Center:

- 1 Press the Start button  on the remote control.
- 2 Select **My Pictures**.
- 3 Select the picture you want to rotate.
- 4 Press the More Info button on the remote control.
- 5 Select a **Rotate** button, and then press OK.



Printing Pictures in My Pictures

- 1 Press the Start button  on the remote control.
- 2 Select **My Pictures**.
- 3 Select the picture you want to print.
- 4 Press the More Info button on the remote control. Select **Print**, and then **Print** again.


Or

Press the Print button on the remote control.

You may need to set up your printer before you can print from Media Center. Follow any onscreen instructions.



Setting up your printer

- 1 Connect your printer to the PC and install the printer drivers for your printer, if necessary. Follow the instructions that came with your printer.
- 2 Click **Start**  on the taskbar, and then click **Printers and Faxes**.
- 3 Right-click your printer icon and then click **Set as Default**. A check mark appears next to your printer.



Set up your printer before you try to print your pictures with the remote control.

Copying Pictures to CDs

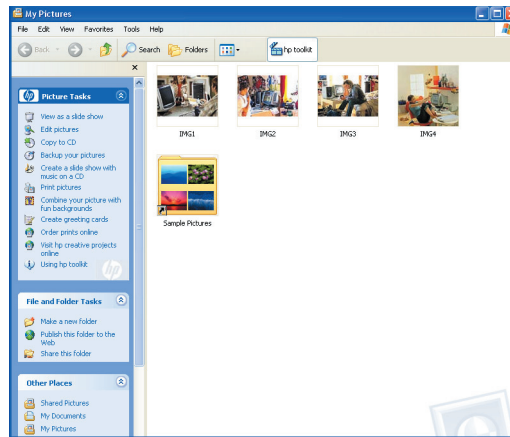
- 1 Click **Start**  on the taskbar, and then click **My Pictures**.

Or

Locate the files you want to copy. Click **Start**, **My Computer**, and then select the drive or removable device where your pictures are located.

- 2 Select the files you want to copy by pressing the Ctrl key and then selecting each picture.
- 3 Select **Copy to CD** from Windows Explorer in the area Picture tasks. The CD recording program opens.
- 4 Follow the onscreen instructions to complete recording your pictures to CD.

For more information about creating picture CDs, see "Creating (Burning) Data CDs Using Windows XP" on page 120.





For more information on using the HP Image Zone Plus program, click the Help link in the control area of the program window.

Using HP Image Zone Plus in Media Center

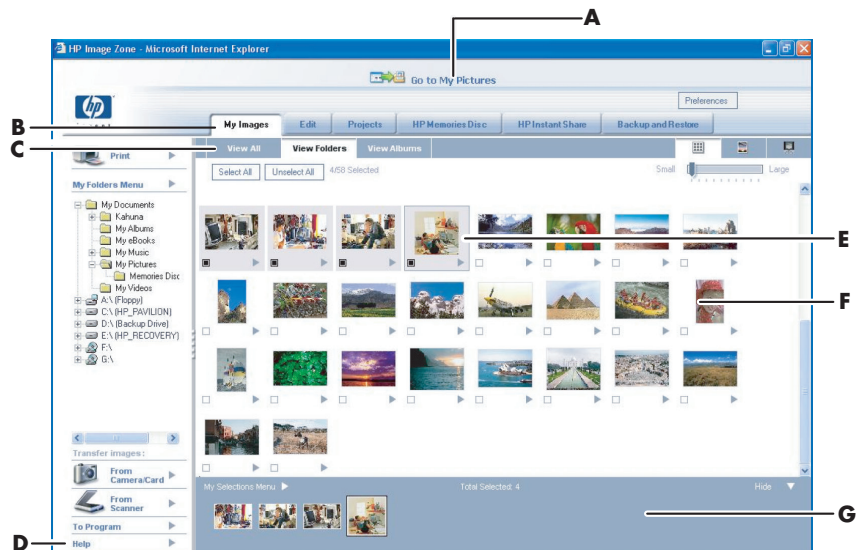
HP Image Zone Plus is both a software program and a Media Center menu item which allows you to view and search for your digital images by using the remote control or the keyboard and mouse.

HP Image Zone Plus is a software program to organize your photos, scanned images, and video clips by date, keyword or place. It provides all the tools you need for viewing, organizing, editing, printing, sharing, and protecting your digital images.

Below is the HP Image Zone Plus program window with the features highlighted.



HP Image Zone Plus Menu in Media Center



HP Image Zone Plus Window

- A** **Go to My Pictures** is toggle switch to the My Pictures directory in Windows Explorer.
- B** **Mode tabs** are used to view images, edit images, and create projects with your images.
- C** **View tab** are used to view all images, folders, and albums.
- D** **Help** is a link to HP Image Zone Plus help topics.
- E** **Work area**, or **Gallery**, shows selected images with a black box under them.
- F** **Gallery** shows unselected images with white boxes under them.
- G** **Selection** tray displays selected images.

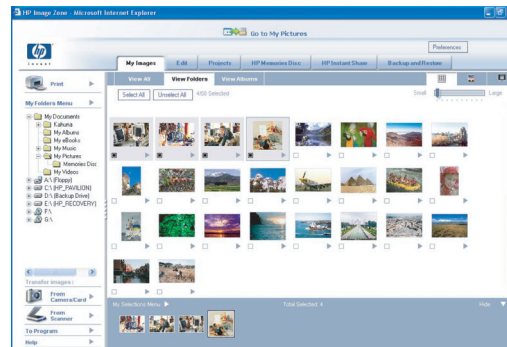
Organizing pictures in HP Image Zone Plus

The HP Image Zone Plus program and Media Center work together. Before you can view and search for your pictures in Media Center, you have to set some things up in HP Image Zone Plus program.

To start organizing your pictures in HP Image Zone Plus:

- 1 Create your image catalog. This indexes all of your pictures so you can assign dates, keywords and places to your files. See "Creating your picture catalog in HP Image Zone Plus" on page 86.
- 2 Assign dates, keywords and places to your pictures. See "Modifying a date assigned to your pictures" on page 87, "Assigning a keyword to your pictures" on page 88, and "Assigning a place to your pictures" on page 88.
- 3 You can edit your images from this window too. See "Editing Pictures in HP Image Zone Plus" on page 91.
- 4 When you have finished organizing your images, open Media Center to view, play a slide show, and search for your photos by the labels you have established. See "Searching for pictures in HP Image Zone Plus" on page 89.

For more information about changing picture dates, assigning keywords and locations, and performing searches of your pictures, go to the help files inside the HP Image Zone Plus program.



HP Image Zone Plus Window



HP Image Zone Plus Window in Media Center



You can click **Go to My Pictures folder** at the top of the HP Image Zone Plus window to open the My Pictures folder in Windows Explorer.

Creating your picture catalog in HP Image Zone Plus

The first time you open the HP Image Zone Plus program, a message appears asking you if you want to create a catalog by indexing images in the My Pictures folder and its subfolders. This catalog allows you to search for your pictures by date, keyword or place by using HP Image Zone Plus.

- 1 Double-click the **HP Image Zone Plus** icon on your desktop.



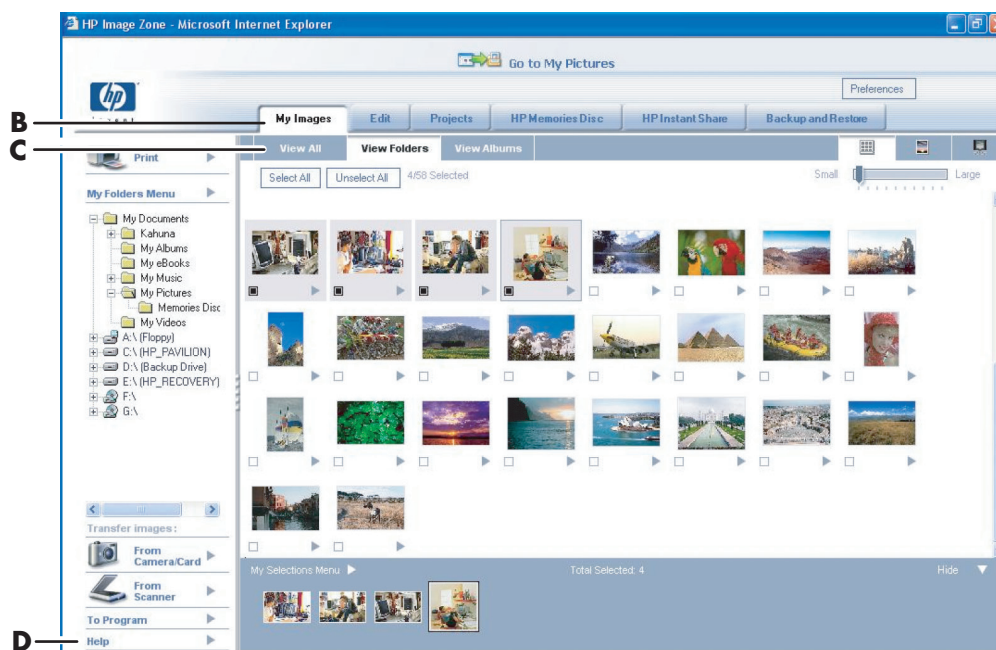
Or

Click **Start** on the taskbar, choose **All Programs, Pictures (Photos)**, and then click **HP Image Zone Plus**. The HP Image Zone Plus window opens.

- 2 When the catalog message appears, click **OK** to index the PC images and place them in the HP Image Zone Plus catalog.

- 3 At the top of the gallery window, click the **My Images** tab (B) and then click **View All** (C) below it to see all of the images in the catalog. You can also click View Folders or View Albums to browse for images.

- 4 Click Help (D) for more information about creating your picture catalog in HP Image Zone Plus.



Updating your catalog when you add new pictures

If you add new pictures to your My Pictures folder, you need to open the HP Image Zone Plus program and locate the new image to be able to view it in Media Center. This action updates your HP Image Zone Plus program to include the new image in the catalog.

- 1 Double-click **HP Image Zone Plus** icon on the desktop.
- 2 Click the **My Images** tab.
- 3 Select **View All**.

Creating albums

You can organize your pictures into albums by using the HP Image Zone Plus program. After you create your picture albums in the HP Image Zone Plus program, you can then view them in Media Center.

To create an album:

- 1 Double-click **HP Image Zone Plus** icon on the desktop.
- 2 Click the **My Images** tab.
- 3 Select **View All** and then select your pictures which you want to place into an album.
- 4 Click the **View Albums** tab.
- 5 Select **My Albums Menu** and then select **New Album**. Your album appears in the View Albums tab.
- 6 To change the title of the album, just select it and type in a title. You can now view your albums in Media Center.



After you create your picture albums in HP Image Zone Plus program, you can then view them in Media Center.

Modifying a date assigned to your pictures

Digital cameras assign a creation date to digital images. HP Image Zone Plus automatically recognizes this creation date and organizes your pictures by date.

To change a date:

- 1 Double-click **HP Image Zone Plus** icon on the desktop.
- 2 Click the **My Images** tab and then click the **View All** tab under the My Images tab.
- 3 Right-click a picture, and then select **Modify Image Date**.
- 4 Select a date, and then click **Modify**.



Scanned images are stamped with the date they are scanned.



You can assign more than one keyword. You can also edit or delete assigned keywords.

Assigning a keyword to your pictures

- 1** Double-click the **HP Image Zone Plus** icon on the desktop.
 - 2** Click the **My Images** tab and then click the **View All** tab under the My Images tab.
 - 3** Select your picture by clicking it. You can select more than one picture, if desired.
 - 4** Click **By keyword**, on the left side of the window.
 - 5** Click **Assign**.
 - 6** Select a keyword from the available keywords list, and then use the arrow button to add the keyword to the *Assign to all* box. Click **Assign** and then click **OK**.
- Or
- Click **New**, type in a keyword, and then click **OK**. The new keyword is added to the keyword list. Use the arrow button to add the keyword to the *Assign to all* box.




There are multiple ways to move around the HP Image Zone Plus map: you can click and drag, point and click, click and drag the small globe.

Assigning a place to your pictures

- 1** Double-click the **HP Image Zone Plus** icon on the desktop.
- 2** Click the **My Images** tab and then click the **View All** tab under the My Images tab.
- 3** Select your picture by clicking it. You can select more than one picture, if desired.
- 4** Click **By place** on the left side of the window.
- 5** Click **Assign**.
- 6** Click the map to find your location. Each time you click the map, it zooms in closer. Use the arrow buttons surrounding the map to move around on the map. When your location is in the center of the cross-hairs, click **Assign**.
- 7** Click **OK**.
- 8** Click **Close**.

Searching for pictures in HP Image Zone Plus

You can search for pictures by date, keyword and place by using your remote control or mouse in Media Center. HP Image Zone Plus automatically organizes your pictures by date, based on the date assigned by the camera when the picture was taken, or the date the picture was scanned.

- 1 Press the Start button  on the remote control.
- 2 Select **HP Image Zone**.
- 3 Select **Search**.
- 4 Select **By date**. Use the number keypad on the remote to enter the start and end date range. The date range of the pictures you selected is displayed in this window.

Or

Select **By keyword**. Select a keyword and then press OK on the remote control.

Or

Select **By place**. Use the arrow buttons on the remote control to rotate the globe and numbers 1 through 5 to zoom in or out. When you have picked a location, press OK. Locations which have pictures assigned to them will have a colored dot on the map.




You must open the HP Image Zone Plus program from the desktop to assign dates, keywords, and places to your pictures.

Viewing Pictures in HP Image Zone Plus

Viewing a slide show

When viewing images, you can view a slide show of all your images, individual albums or pictures selected from a search.


- 1 Press the Start button  on the remote control.
- 2 Select **HP Image Zone**.
- 3 Select the date of the pictures you want to view as a slide show, and then press OK. If you do not select the pictures you want to view as a slide show, Media Center displays all pictures.
- 4 Select **Play slide show**, and then press OK.
- 5 Use the media playback keys on the remote control or the controls that appear at the top of the window to control the playback of your slide show.

Viewing a slide show with music

- 1 Select **My Music** on the Media Center Start menu.
- 2 Select the music you want, and then press OK on the remote control. If the music doesn't start automatically, press the Play button on the remote control.
- 3 To go back to the Media Center Start menu, press Start on the remote control.
- 4 Select **HP Image Zone**.
- 5 Select the pictures, and then press OK.

Changing view and slide show options

You can change the way pictures are displayed:

- 1 Press the Start button  on the remote control.
- 2 Select **HP Image Zone**.
- 3 Select **Settings**.
- 4 Select your settings. Use the scroll arrows at the bottom of the window to view all the setting options.
- 5 Select **OK**.

Using supported picture file types

HP Image Zone Plus supports the following types of image files, video files and audio files.

File extension	File type
.jpg	Joint Photographic Experts Group
.tif	Tagged Image File Format
.gif	Graphics Interchange Format
.bmp	Bitmap
.fpx	FlashPix Bitmap
.pcx	Bitmap Graphics (PC Paintbrush)
.pdf	Graphics file
.png	Portable Network Graphics



If the message *Image cannot be displayed* appears, the file may be corrupted or it may be an unsupported file type. You may need to edit your image with a photo editor and save it in a supported file format.

- Only supported image file types are displayed in My Pictures. Unsupported files are skipped in a slide show.
- Corrupted and unsupported image file types display a generic image icon but cannot be displayed in Media Center.
- Some file types are supported only if appropriate filters and software are installed.

Editing Pictures in HP Image Zone Plus

You can make changes to your pictures and video clips in HP Image Zone Plus. Some of the editing features include: removing red eye, cropping or resizing images, rotating images, and adjusting the color, brightness, and sharpness of your images.


For more information about the editing tools, refer to Help in the HP Image Zone Plus program.

To edit your pictures:

- 1** Double-click **HP Image Zone Plus** icon on the desktop.
- 2** Click the **My Images** tab.
- 3** Select **View All**.
- 4** Select the picture you want to edit.
- 5** Click the **Edit** tab.
- 6** Select an editing tool on the left side of the window and make the edits to your picture. For more information about the editing tools, click **Help** and then select **Edit Help**.
- 7** When you have made your edits, click **Save** to save the edits to the picture or click **Save As** to create an edited version of the original image.

Updating edited picture files in Media Center

After you make edits to your picture files, you need to update the files before they can be displayed correctly in Media Center. To update the files:

- 1** Press the Start button  on the remote control.
- 2** Select **HP Image Zone**.
- 3** Select **Settings**.
- 4** Under Thumbnail options, select **Refresh** and then select **OK**.
- 5** Select **View all images**. Your edited pictures should now be displayed.



You cannot use the Print button on the remote control in HP Image Zone Plus.

Printing Pictures in HP Image Zone Plus

- 1 Press the Start button  on the remote control.
- 2 Select **HP Image Zone**.
- 3 Select the picture group you want to print from.
- 4 Select **Print images**.
- 5 Select the pictures you want to print.
- 6 Select **Print**. Follow any onscreen instructions.



You may need to set up your printer before you can print from Media Center. Refer to "Setting up your printer" on page 82.

Other Features of HP Image Zone Plus

Copying Pictures to CD

Refer to "Copying Pictures to CDs" on page 83.

Creating projects

You can create and print projects such as photo album pages, cards, and flyers with HP Image Zone Plus. For more information, see *make creative projects* in Help.

You can create multimedia CDs with your images. You can add your own audio and text, or you can allow the software to add default audio and text. For more information, see *make a multimedia cd* in Help.

Using Backup and Restore

You can create backup discs of all the images on your PC. You can also restore images either from a backup disc or from an automatically created digital negative.

HP Instant Share

You can share your images with friends and family. After you select images on the My Images tab, you can post the images to the HP Instant Share Web site and send a link to the images on the Web site by e-mail.

You can also create online albums if you want to organize your images on the Web site. If available in your region, you can order professional quality prints from an online service. For more information, see *share your images* in Help.

Playing Videos

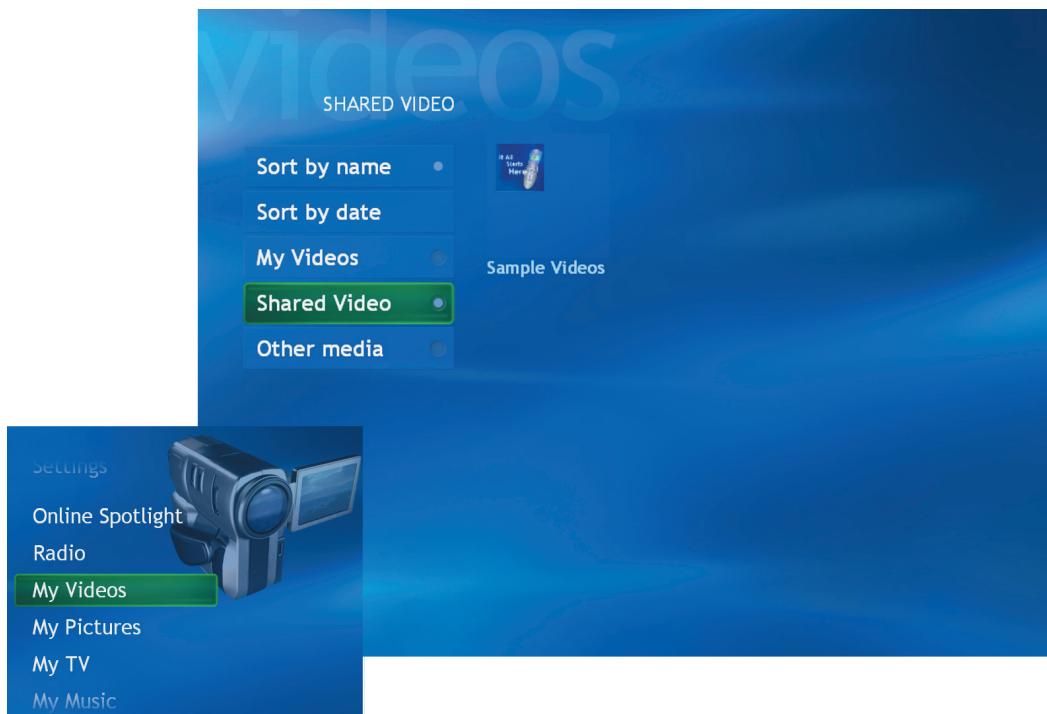
The My Videos window in Media Center makes it easy to play home video files you created or video files you downloaded from the Internet.

In My Videos you can:

- Play and scroll through videos that are in the My Videos or Shared Video folders in Windows Explorer by using your remote control or your keyboard and mouse.
- View your videos in full-screen mode or from an inset window in Media Center.
- Browse your videos straight from the device on which they are stored. Media Center recognizes removable media from a CD or DVD drive or from a digital video camera.
- Display your video details such as the name and date your video file was modified.
- Sort videos by date or name.
- View small image (thumbnail) and title of video file.
- Scroll through your digital videos and folders by clicking the page up and page down buttons using the mouse.



Each user has a separate My Videos folder that can be opened only by that person. You can share videos with others by storing them in the Shared Video folder.



Organizing Videos

When you attach a digital video camera to your PC, Windows asks you how you want to capture your video. You can choose from various software programs to capture and then edit your video file.



Most programs automatically save your file to the My Videos folder in Windows Explorer. If not, move your videos into the My Videos or Shared Video folder in Windows Explorer for Media Center to be able to find and play them.

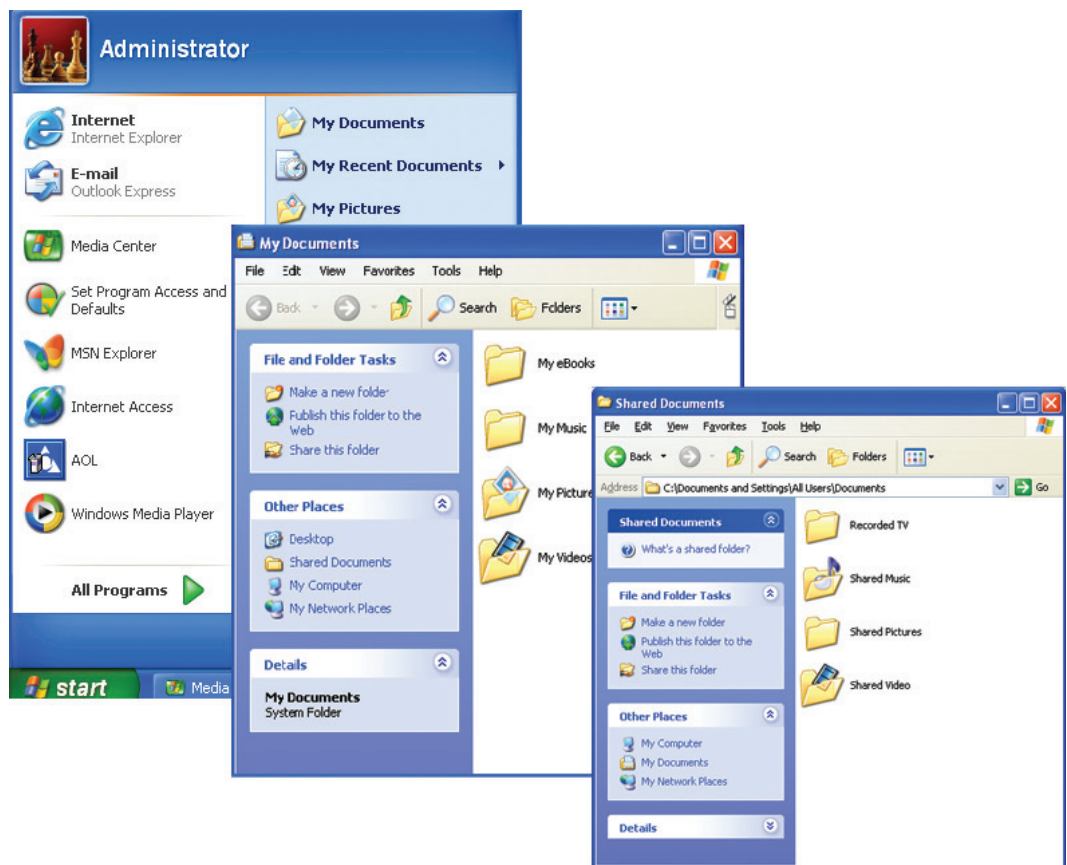
Once you have placed all your videos into the My Videos or Shared Video folder, you can rename, add, delete, and organize them into folders.

To organize and store your videos, click **Start** on the taskbar, click **My Documents**, and then double-click the **My Videos** folder.




If you want to share your videos with others, place them in the Shared Video folder. To do this, click **Start** on the taskbar, click **My Documents**, click the **Shared Documents** folder under Other Places, and then double-click the **Shared Video** folder.

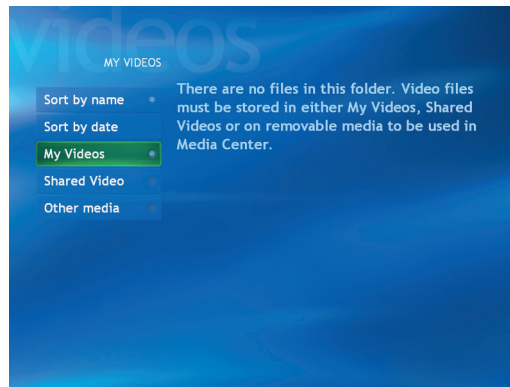
You can add, delete, edit, rename, and organize your video files into folders you create in the Shared Video folder. The videos can now be played in Media Center.



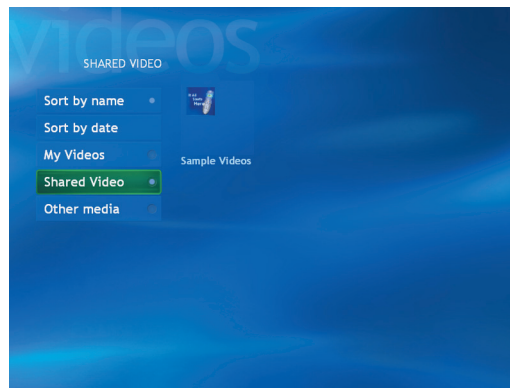
Playing Digital Videos in Media Center

After you organize your videos in the My Videos or Shared Video folder in Windows Explorer, open Media Center to watch your videos.

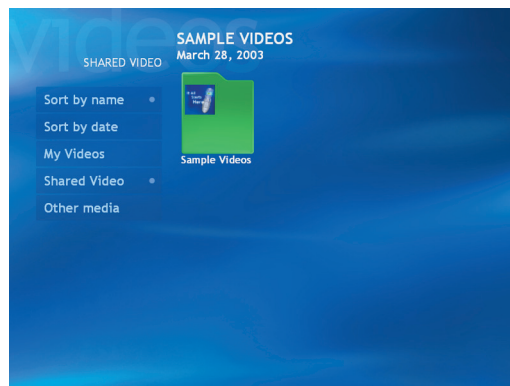
- 1 Press the Start button  on the remote control.
- 2 Select **My Videos**.
- 3 Select **My Videos** or **Shared Video**. The right side of the window shows small images of your video files and folder icons, if you've organized your videos into folders.
- 4 Move through and select your video or video folder. You may need to use the scroll arrows at the bottom of the window to display all videos.
- 5 Press the OK button on the remote control. The selected video plays in full-screen mode, or the folder opens displaying a list of video files. Use the mouse to resize the window if you want to watch your video while doing something else on your desktop.
- 6 When the video is finished, select **Restart** and then press OK to replay the video, or select **Done** and press Done to close the file and return to the My Videos window.



My Videos folder



Shared Video folder



Sample Videos folder



If you do not have any videos displayed, this message appears.



If your video is playing in full-screen mode and you want to see it play in the inset window, press the **Back** button on the remote control.

Playing a video stored on removable media

Removable media can be from various sources:

- Digital video camera (FireWire IEEE 1394 port)
 - CD-ROM or DVD-ROM drive
 - Memory card readers such as Smart Media or CompactFlash
- 1 Make sure your removable media is connected or inserted properly.

- 2 On the Media Center Start menu, select **My Videos**.
- 3 On the My Videos menu, select **Other media**.
- 4 When a folder with the drive name that contains your removable media appears, select it.
- 5 Select the video file. The video plays in full-screen mode.



- Use the mouse to select the up and down arrows at the bottom of the window to scroll to other pages of video files and folders.
- You can maximize the media playing in the inset window by using the arrow buttons to select the inset window, and then pressing **OK** on the remote control.

Playing a video in full-screen mode

- 1 On the Media Center Start menu, select **My Videos**.
- 2 On the My Videos menu, select **My Videos**, **Shared Video**, or **Other media**.
- 3 Select the folder you want, and then press **OK**. Select the video file and press **OK** again. The video plays in full-screen mode.
- 4 To exit full-screen mode and return to the previous window, press **Back** on the remote control.



Sorting Videos

To organize your videos by date or by name:

- 1** On the Media Center Start menu, select **My Videos**, **Shared Video**, or **Other media**.
 - 2** If your videos are organized within other folders, use the arrow buttons to select the folder you want to sort, and then press OK. If you don't select a folder, Media Center sorts all the files and folders.
 - 3** Select **Sort by date** or **Sort by name**.
-

Viewing Video Details

To display information about the video in Media Center, select a video file from the My Videos or Shared Video window, and then press the More Info button on the remote control.

The information includes:

- Video title.
- Video description (if available).
- Date the video file was created.
- Date the video file was modified.
- Size of the video file in minutes.

If you press the More Info button while the video is playing, the title and time span or size of the video is displayed at the bottom of the window.

Recording Videos to DVD from a Digital Video Camera

Refer to "Requirements for Capturing Video" on page 138 and "Capturing Digital Camcorder Video" on page 139 for more information about recording videos to DVDs or CDs from a digital camera.



For more information about supported video file types, refer to Media Center Help menu.

Using Supported Video File Types


You can view the following types of video files in Media Center. Other file types are supported if your PC has the correct software installed.

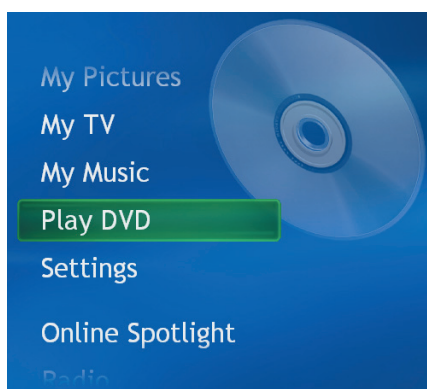
File extension	File type
.avi	Video file
.mpeg, mpg, .mpe, .mlv, .mp2, .mpv2	Movie file
.wm, .asf	Windows Media file
.wmv	Windows Media A/V file

Playing DVDs

Watching DVDs in Media Center allows you to control the playback with your remote control. If you select to play your DVD in another program, the use of some of the remote control buttons is not supported.

To play a DVD movie in Media Center

- 1 Press the Start button  on the remote control.
- 2 Insert the DVD into the drive. If you have other media playing, Media Center asks if you want to play the DVD. Select **Yes** or **No**. If you don't select an option, the DVD autoplays in full-screen mode after a few seconds.
- 3 If a DVD menu appears, use the remote control or the mouse to select the DVD menu items and control the DVD movie playback.
- 4 To stop playing the DVD, press Stop on the remote control.
- 5 To change the window size, move the mouse and click the **Resize** button on the taskbar of the DVD window.



About playing DVDs

When you open Media Center and then insert a DVD into your drive, there is a delay of a few seconds before the movie begins playing.

Even though Media Center supports closed captioning, subtitles, and multiple languages, these options appear only if the DVD movie includes them.

If your DVD includes its own playback software, Media Center may not open when you insert the DVD.

To watch your DVD in Media Center, cancel the onscreen messages to use the DVD player software, and then open Media Center.

If you have manually resized the Media Center window, the DVD plays in this same window size.

Stopping a DVD movie

- 1 Press the Stop button on the remote control to stop the movie.
- 2 Use the arrow buttons on the remote control to select an item on the Stopped menu, and then press OK.
 - To begin playing the DVD where you left off, select **Resume**.
 - To begin playing the DVD at the beginning, select **Restart**.
 - To go to the DVD main menu, if available, select **Title Menu**.
 - To change the language for the DVD sound track, subtitles, and menu, if available, select **DVD Languages**.
 - To open the disc tray, select **Eject**.



Watching DVD in the inset window or in a resized window

While the DVD movie is playing, press the Start button on the remote control. This opens the Media Center Start menu with the DVD playing in the inset window.

While the DVD movie is playing, move the mouse for the Resize icon to appear. Select the **Resize** icon, and then you can manually adjust the window size.



Playing a DVD movie already in your drive

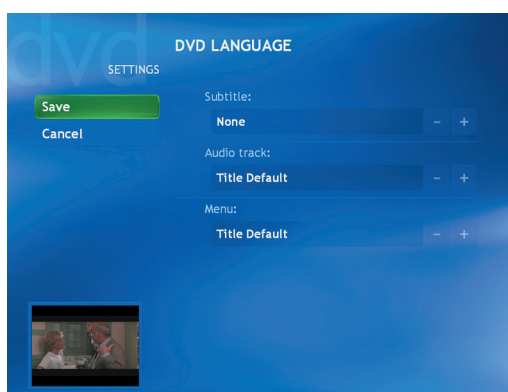
If you already have a DVD movie in your drive, but you have been doing other things in Media Center or in other programs from your desktop, you can play the DVD by:

- 1 Pressing the Start button  on the remote control.
- 2 Selecting **Play DVD**. The DVD movie begins playing in full-screen mode.

Changing the DVD Movie Language

To select DVD language settings for subtitles, closed captioning, and viewing the DVD:

- 1 In the Media Center Start menu, select **Settings**.
- 2 In the Settings window, select **DVD**.
- 3 In the DVD Settings window, select **Language**.
- 4 Select the (+) or (-) buttons. To scroll through the languages available, press the OK button on the remote control.
- 5 When you find the one you want, use the arrow buttons to select **Save** in the window, and then press OK on the remote control.
- 6 To return to the main Settings window, press the Back button.



Changing DVD Audio Settings

To select DVD audio settings for viewing the DVD:

- 1 In the Media Center Start menu, select **Settings**.
- 2 In the Settings window, select **DVD**.
- 3 In the DVD Settings window, select **Audio**. The audio properties window opens.
- 4 Using your mouse select your speaker and sound options, and then click **OK**.

Listening to FM Radio

If your PC is equipped with a radio tuner card, then Media Center can play FM radio. The Radio window in Media Center makes it easy to play FM radio stations by using your remote control.

In Radio you can:

- Listen to FM radio stations.
- Set up pre-sets of your favorite radio stations.
- Delete or organize your radio station pre-sets.
- Use the time-shifting feature; pause, rewind, and fast-forward up to 30 minutes of radio programs.



Make sure you connect the FM radio antenna to the back of the PC before selecting an FM radio station. This antenna is for select models only.




Using the FM Radio and the TV Signal at the Same Time

In Media Center PCs, the FM radio signal and My TV input signal share the same tuner card. This means that you are unable to watch or record TV and listen to FM radio at the same time. When Media Center is scheduled to start a recording, a

warning appears that says FM radio stops when the TV recording starts. If you do not select Cancel recording, then Media Center automatically stops radio and begins recording TV.

Playing FM Radio Stations

- 1 Connect the FM radio antenna to the back of the PC to the connector labeled FM-IN.
- 2 Press the Start button  on the remote control.
- 3 Select **Radio**.
- 4 Enter a radio station number by using the numeric keypad on the remote control or your keyboard.

Or

Select the **Seek** (– or +) buttons for Media Center to find the next playable station.

Or

Select the **Tune** (– or +) buttons to manually find a station.

- 5 If you want, select **Save** to save it as one of your nine pre-set stations.
- 6 Select **Start FM** to begin playing that station.
- 7 Select **Back** to return to the previous window.



Organizing Pre-set Radio Stations

1 Press the Start button  on the remote control.

2 Select **Radio**.

3 Select **Settings**.

4 Select the up arrows and down arrows next to each pre-set station to move it to a different position.



Or

Select the delete icon (X) to delete a pre-set station.

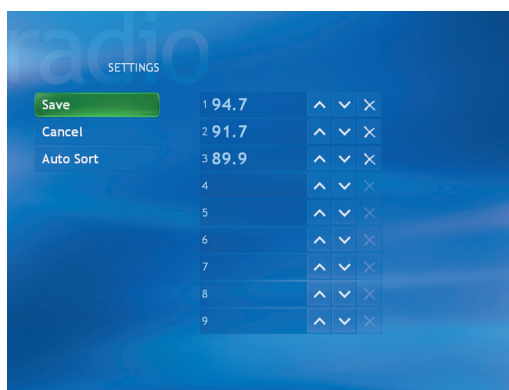


Or

Select **Auto Sort** to sort your pre-set stations in numerical ascending or descending order.

5 Select **Save** to save your changes.

6 Select **Back** to return to the previous window.



Recording TV Shows to DVDs

The Media Center PC includes several recording software programs for you to create CDs and DVDs. For more detailed information about recording CDs and DVDs, refer to “Creating (Burning) CDs” on page 119 and “Creating DVD Movies” on page 137.

You can:

- Use RecordNow! to create music CDs and data CDs and DVDs.
- Use InterVideo WinDVD Creator to record your video and recorded TV programs to DVD or CDs.

About Copying Recorded TV Programs to DVD

You can use InterVideo WinDVD Creator to copy your recorded TV programs to DVD (select models only) for viewing and playing on your PC and in some set-top box DVD players.

With WinDVD Creator you can import your recorded TV programs that are automatically stored in your Shared Documents folder on your C: drive, and then record your recorded programs onto CDs and DVDs.

The recording quality determines the size of the file created for the recorded program. *Best* is the pre-set recording quality setting. A two-hour program

recorded set to *Best* produces a large file that does not fit on one DVD. The following table lists the recording quality and the estimated number of minutes that fit onto one DVD.

The InterVideo WinDVD Creator program shows you the available CD or DVD space.

You cannot change the recording quality of a program after it is recorded.



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To change the recording quality setting

- 1 Click **Start**, and then click **Media Center**.
- 2 Click **Settings, TV, Recorder**, and then click **Recording defaults**.
- 3 Under **Quality**, select **(+)** or **(-)** to select a quality setting. Click **Save** to enter the change.

Recording quality	Minutes on one DVD (est.)
Best	80
Better	95
Good	110
Fair	190



If your PC has a DVD Writer drive, you can archive your recorded TV programs to DVD+RW or DVD+R media and play them back on your PC in Media Center or from a set-top box DVD player.

Copying Recorded TV Programs to DVD or CD

TV programs recorded in Media Center can be converted to an MPEG format, by using InterVideo WinDVD Creator. This means that recorded TV programs recorded with WinDVD Creator can be played from a PC and from a set-top box DVD player.

Copy a TV program to DVD using WinDVD Creator

- 1** Click **Start**, choose **All Programs, Video, InterVideo WinDVD Creator** if present, and then click **InterVideo WinDVD Creator**.
- 2** Insert a blank DVD+RW, DVD+R, CD-RW, or CD-R disc.
- 3** Select **Create CD/DVD with existing video file**.
- 4** Click the **Browse** icon, select your recorded TV program from the Shared Documents, Recorded TV folder, or wherever you have stored the file, and then click Open. The WinDVD Creator window opens with your file displayed.
- 5** To add another file, click the **Import** button, select your file, and then click **Open**.
- 6** Select your recorded TV program and drag it to the Storyboard section of the window.
- 7** Click **Make Movie**, select your settings, and then click the arrow button.
- 8** Select Burn to disc, and then click the arrow button.
- 9** Select your drive and burning speed and then click the arrow button.
- 10** Follow the onscreen instructions to complete burning your TV show to DVD.

Copy a TV program to a DVD with RecordNow!

When you copy your recorded TV programs to CD or DVD using RecordNow!, it is recorded as a data file, which can be played back from a PC, not a set-top DVD player.

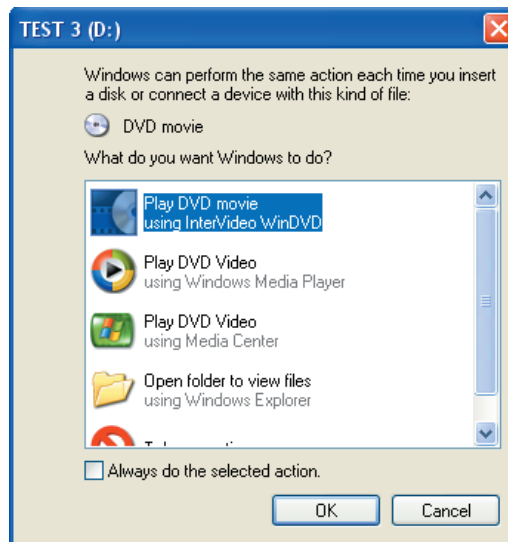
- 1 Insert a blank formatted DVD+RW or DVD+R disc.
- 2 Click **Start**, choose **All Programs, CD (DVD) Recorder**, if present, **RecordNow!**, and then click **RecordNow!** again.
- 3 Click the **Data Projects** tab, and then Click **Data Disc**.
- 4 Click the **Add Files and Folders** button.
- 5 Select your recorded TV programs from the Recorded TV folder, and then click **Add**.
- 6 Repeat step 5 until all of your recorded TV programs are selected.
- 7 Click the **Burn** icon. RecordNow! records your files to disc.
- 8 Click **Done** when the recording is complete.



TV programs that have been encrypted (protected) by the broadcaster cannot be copied and played back on any player other than the Media Center PC that they were recorded to.

Watching Recorded TV Programs on DVD

- 1 Make sure Media Center is closed, and then insert the DVD.
- 2 When the AutoPlay window appears, select:
 - **Play DVD movie using InterVideo WinDVD**Or
 - **Play DVD Video using Windows Media Player**Or
 - **Play DVD Video using Media Center**
- 3 Use the playback controls in the program to view your DVD.



Capturing Analog Home Video

(Select models only)

The TV tuner card of your PC allows you to play television programs in Media Center. The TV tuner card also allows you to connect a VCR, a camcorder, or another analog video device to the PC, and then capture your home video as a file.

You cannot play a television program and capture analog video at the same time.



You can select the **Help** menu and then click **Help** in the **InterVideo WinDVD Creator** program for more information about capturing and recording analog video files.

To connect the analog home video source and record

- 1** Open Media Center. Click **Start**, and then click **Media Center**.
- 2** To cancel any TV programs recording or scheduled for recording during this capture procedure:
 - a** Click **My TV, Recorded TV**, and then click **Scheduled**.
 - b** Select any program scheduled for the same time as you are capturing your video, and then click **Don't Record**.
- 3** Close Media Center. You can now safely use the analog capture feature in WinDVD Creator. Turn off the PC before connecting your video device to the front of the PC.
- 4** Click **Start**, click **Turn Off Computer**, and then click **Turn Off**.
- 5** Use a composite video cable or an S-video cable to connect your analog home video source (VCR or camcorder) to the S-video Input_2 or the composite Input_2 connector on the front of the PC.
- 6** Connect the left and right audio signals from your video device to the front panel left and right audio input_2 connectors.
- 7** Press the On button on the front of the chassis to turn on the PC.
- 8** Turn on your analog home video source device.
- 9** Click **Start**, choose **All Programs, Video, InterVideo WinDVD Creator**, and then click **InterVideo WinDVD Creator** again.
- 10** Select the capture option in the WinDVD Creator window. Follow the instructions in "Capturing Video with a Capture Card" on page 140.

To disconnect the analog home video source

- 1 Turn off your analog home video device.
- 2 Close any open programs.
- 3 Click **Start**, click **Turn Off Computer**, and then click **Turn Off**.
- 4 Disconnect your analog home video source (VCR or camcorder) cable from the connectors on the front of the PC.
- 5 Press the On button on the front of the chassis to turn on the PC.
- 6 Open Media Center and reschedule recording for any TV programs you canceled during this capture procedure.
- 7 From the Media Center start menu, click **My TV**, and then click **Guide**. Find the program you canceled and then select it.

Or

If the program is a part of a recorded series, click **Recorded TV** from the Media Center Start menu, and then click **Recording errors**. Find the program you canceled and then select it.
- 8 Click **Record** for a future program or click the **Record** icon (red circle) if the program is currently playing.
- 9 Close Media Center.

Using Double-Layer Technology and Media

(Select models only)

Double-layer media means you can record on two "layers" of one side of a DVD. Double-layer technology uses two thin, embedded, organic dye films for data storage separated by a spacer layer. Each layer has different optical properties.

General information about double-layer DVD+R discs:

- You can record 3 hours of DVD-quality video or 6 hours of VHS-quality video, without turning over the disc.
- This disc can hold up to 8.5 GB (about the equivalent of 12 CDs). This almost doubles the standard storage capacity of 4.7 GB for the single-layer DVD+R discs currently available.
- Double-layer writing capability is supported by RecordNow! and WinDVD Creator. These are CD and DVD recording software programs that came with your HP Media Center PC.
- Double-layer DVD+R discs can only be written to with a double-layer DVD+RW/+R drive.
- These discs can't be erased or written to again.
- You can record up to 6 hours of video files, depending on the quality of the recording.
- You can use these discs to back up your hard disk drive files.
- These discs are able to play back in most commercially available DVD players.



The InterVideo WinDVD Creator and RecordNow! recording programs support the double-layer technology.



Digital music and video providers may have playback restrictions for downloaded media files.

Copy Protection

Digital media content that is purchased on the Internet may have restricted access depending on the terms agreed to when you purchased the files. This protects copyrighted media files from being illegally copied and used.

You can record music or video files, but some files may retain copy protection such as digital rights management (DRM). DRM encrypts digital media content and limits access to people who have a license to play the content.

For more detailed information about digital rights management, you can go to:

<http://www.microsoft.com>

Copy protection for DVD movies

Most DVD movies in the market are encrypted with copy protection to prevent illegal duplication of copyrighted material. This protection distorts the picture quality when copied or prevents it from being copied.



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Copy protection for music files

The first time you try to copy a music CD in Media Center or Windows Media Player, a copy protection setting window appears. When you burn a music CD in Windows Media Player, an option to turn DRM on or off appears. If you keep it turned on, the music cannot be played on another PC. It can only be played on the original PC. If DRM is turned off, you can play your music on other PCs.

Playing CDs and DVDs

The PC includes software that lets you play music CDs and DVD movies. This section describes how to:

- Play music CDs using Windows Media Player, or play music CDs or DVDs with iTunes.
- Play DVD movies using Windows Media Player or InterVideo WinDVD™.
- Play video CDs (VCD) with InterVideo WinDVD or Windows Media Player.



The software listed in this chapter is for select models only.

Playing Music CDs with iTunes

You must have either a CD or DVD drive.

- 1 Insert the music CD into your CD or DVD drive.
 - The iTunes window opens. If the Audio CD wizard window opens, select **iTunes** from the list. You may have to scroll down in the window to see iTunes.

Or

- If the iTunes window does not automatically open, click **Start** on the taskbar, choose **All Programs**, click **iTunes**, and then click **iTunes**.

- 2 Select the CD Name from the Source list.

- 3 To play the CD, click the **Play** button in the upper left corner of the iTunes window. To play a particular song, double-click the song name (or track number).



For more information on using iTunes, click the Help menu in the iTunes menu bar. For help online, go to:

<http://www.hp.com/music>



If you do not have an Internet connection, your CD is listed as Audio CD on the source list, and your song names are listed as track numbers.

Playing CDs and DVDs with Windows Media Player

The PC must have a DVD drive to play DVD movies.

- 1 Insert the music CD or DVD movie into the drive.
 - The Windows Media Player window opens. If the wizard window opens, select **Windows Media Player** from the list. You may have to scroll down in the window to see Windows Media Player.
- 2 To play the CD or DVD, use the playback buttons in the Windows Media Player window. To play a particular track, double-click the title (or track number) in the Playlist. You can also control playback by using the media control buttons on the keyboard (select models only).

Or

- If the Windows Media Player window does not automatically open, click **Start** on the taskbar, choose **All Programs**, and then click **Windows Media Player**.

For more information on using Windows Media Player, click the **Help** menu in the Windows Media Player menu bar. If necessary, first display the menu bar by clicking the **Up-arrow** icon in the upper-left corner of the Windows Media Player window.



Most DVD movies are localized to geographical countries/regions. See "Using country/region codes" on page 117.



On a double-sided DVD, read the text around the inner hole of the disc to determine which side (A versus B or Standard versus Wide screen) to play. Place the disc in the tray with the label facing up for the side you want to play.



To see what a button does on the control panel, place the mouse pointer on the button; the button title appears onscreen.

Playing DVD Movies with InterVideo WinDVD

The InterVideo WinDVD program uses a DVD drive to play DVD movies.

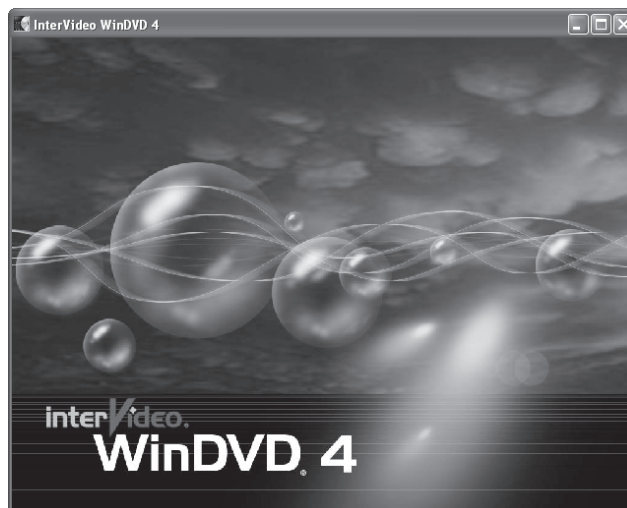
Or

If the program does not automatically open:

- 1** Insert a DVD disc into the DVD drive.
- 2** Close the disc tray by gently pushing the button to the right of the tray on the chassis.

The movie plays in its own resizable video window, and the WinDVD control panel appears. If the Play DVD movie wizard window opens, select **Play DVD movie using InterVideo WinDVD** from the list. You may have to scroll down in the window to see it.

- a** Click **Start**, choose **All Programs**, select **Video**, choose **InterVideo WinDVD**, click **InterVideo WinDVD 4**.
- b** Use the playback buttons on the control panel to view the movie.



To use the WinDVD control panel:

- To move the WinDVD control panel, place the mouse pointer on the panel (but not on a button), and drag it to the desired location on the screen.
- To resize the video window when it is not full-screen, place the mouse pointer on a window corner and drag the border.

Or

Click the **Full Screen** button in the upper-right corner of the WinDVD control panel.



- For information on the InterVideo WinDVD software, refer to the online Help within the program by clicking the ? (question mark) icon in the WinDVD control panel.



If you are playing a movie full-screen and the WinDVD control panel is hidden, you can redisplay it by clicking anywhere in the video window.

Using country/region codes

Most DVD discs have country/region codes embedded in the disc data that limit where the DVD movie can be played.

The country/region number is usually placed over a world globe printed on the DVD packaging and disc. DVDs without country/region codes will play on any player or drive in any country/region.

WinDVD is not pre-set to a particular country/region: the country/region code of the first DVD movie you play determines your DVD country/region.

For example, if you play a DVD with a country/region 1 code, WinDVD sets the current country/region of your DVD player to 1. If you later play a DVD that is coded for a different country/region, WinDVD asks if you want to set this as the current country/region.




You can change countries/regions only five times before the country/region code locks and becomes permanent. Once the code locks, you can play DVDs from that country/region only. If the country/region code locks, and you need help, contact Support.

Playing Video CDs (VCD) with InterVideo WinDVD

- 1** Insert your video CD (VCD) into a DVD or CD drive.
- 2** Select **Play DVD movie using InterVideo WinDVD**, and click **OK**.

Or

If the program doesn't open, click **Start**, choose **All Programs, Video, InterVideo WinDVD**, and **InterVideo WinDVD 4**.
- 3** If you have a dual-language video CD, the sound of one language comes out of the left speaker, and the other language comes out of the right speaker. Double-click the **Volume** icon on the taskbar.
- 4** Under **Volume Control Balance**, move the slider bar all the way to the right or to the left, depending on which language you want to hear. 
- 5** Close the Volume Control window.

Playing Video CDs (VCD) with Windows Media Player 9

- 1** Insert your video CD (VCD) into a DVD or CD drive.
- 2** Select **Play DVD movie using Windows Media Player**, and click **OK**.

Or

If the program doesn't open, click **Start**, choose **All Programs**, and **Windows Media Player**.
- 3** Click **File** on the menu bar at the top, and click **Open**. (If you do not see the menu bar, click the small circle with the up/down arrows in the upper-left corner of the window.)
- 4** Click the **Look In** drop-down arrow and select the drive that has the Video CD.
- 5** Double-click the **MPEGAV** folder.
- 6** Select **Any File (*.*)** from the **Files of type** drop-down list.
- 7** Select the file, and click **Open**.
- 8** If you have a dual-language video CD, the sound of one language comes out of the left speaker and the other language comes out of the right speaker. Click **View** on the menu bar, choose **Enhancements**, and select **Graphic Equalizer**.
- 9** Move the **Balance** slider bar all the way to the left or to the right, depending on which language you want to hear.
- 10** Close the **Graphic Equalizer** window.

Creating (Burning) CDs

If your PC has a CD-RW or DVD Writer (select models only), your PC has recording software and you can make your own music or data CDs.

Your PC has four recording software programs, iTunes, Windows Media Player, RecordNow!, and Windows XP. You copy or download music to their library and can then organize or copy the music files. You can copy Windows Media files that have a .wma extension, .mp3 files, or .wav files to a CD

by using a CD-RW drive or a DVD Writer drive. You can also use iTunes or Windows Media Player to copy music files to a portable device or memory card.

Use a CD-R disc if you are going to play the disc in a CD player, CD-ROM, CD-RW, DVD-ROM, or DVD+RW/+R, or double-layer DVD+R drive. CD-R discs are compatible with more players than CD-RW discs.



Burn is an industry term used to describe the recording of information onto a DVD or CD. Optical recording uses a laser beam to place information onto the disc, thus the term *burning*.

If your recording fails, manually select a slower recording speed, if available, each time you make a recording. Refer to the Help menu in your selected software program for more information about selecting a slower recording speed.

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Creating (Burning) Music CDs with iTunes

To create a music CD using iTunes:

- 1 Click **Start** on the taskbar, choose **All Programs**, select **iTunes**, and then click **iTunes**.
- 2 Click the **Edit** menu and select **Preferences**.
- 3 Click the **Burning** tab and choose **Audio CD** as the disc format.
- 4 Click the **Use Sound Check** check box if you would like all songs on the CD to play at the same volume level, and click **OK**.
- 5 Select the playlist you want to burn to the CD, and then click the **Burn Disc** button in the upper-right corner.
- 6 Insert a blank disc into your drive.
- 7 Click **OK**.

For more information on using iTunes, click the **Help** menu in the iTunes menu bar. For help online, go to:

<http://www.hp.com/music>

Creating (Burning) Music CDs with Windows Media Player

- 1 Click **Start** on the taskbar, choose **All Programs**, and then click **Windows Media Player**.
- 2 Click **Copy to CD or Device**.
- 3 Follow the onscreen instructions to select the music files and the CD or device.

For more information on using Windows Media Player, click the **Help** menu in the Windows Media Player menu bar. If necessary, first display the menu bar by clicking the **Up-arrow** icon in the upper-left corner of the Windows Media Player window.

Creating (Burning) Data CDs Using Windows XP

Your PC has recording software to record data files, such as text files or digital pictures, onto CDs.

- 1 Click **Start** on the taskbar and choose **My Documents** or the folder that has the files you want to copy.
 - 2 Select the file or files you want to copy.
 - 3 Click **Copy to CD** in the Tasks list.
 - 4 Click **My Computer** in the Other Places list, and then double-click the disc drive you want to use.
 - 5 Insert a blank disc into the drive.
 - 6 Click **Write these files to CD** in the CD Writing Tasks list. The CD Writing Wizard window appears.
 - 7 Click **Next**.
 - 8 Click **Finish**.
-

Creating (Burning) CDs with RecordNow!

For more information about recording CDs, refer to the Help menu in the RecordNow! software program.

The CD-RW, DVD Writer, or double-layer drive is available on select models only.

Previously recorded files on CD-RW discs must be erased before recording music files. CD-R discs cannot be erased.

- 1 Click **Start** on the taskbar.
 - 2 Choose **All Programs**.
 - 3 Choose **CD (DVD) Recorder**.
 - 4 Click **RecordNow!**, and then click **RecordNow!** again.
 - 5 If you need to erase a disc (CD-RW or DVD+RW): Insert the disc, select **Erase Disc** under your **Home Screen** or **Data Projects** tab.
-


Creating music CDs with RecordNow!


RecordNow! creates *closed session* music CDs, which means you must record all music files on one CD in one recording session. Music files can be recorded repeatedly on a rewritable CD-RW disc, but all previously recorded files must be erased first. CD-R discs cannot be erased.

CD-R discs play in most home and car stereos. CD-RW discs play only in some stereos.

You can use RecordNow! to create audio CDs to play in your car or home CD player or on your PC.

Creating CDs to play in your car or home CD players with RecordNow!

- 1 Click **Start**, choose **All Programs, CD (DVD) Recorder, RecordNow!**, and then click **RecordNow!** again.
- 2 Select the **Audio Projects** tab.
- 3 Select **Audio CD for Car or Home CD Player**.
- 4 Insert a music CD to view the tracks on your CD. Select **View** if you would like to look at another optical drive.

Or
- 5 Select the tracks you want to record, and then click **Add**.
- 6 Click the **Burn** icon when you have added all the audio files to your music CD project.
- 7 Click **Yes**.
- 8 When prompted, insert a blank CD-R or CD-RW disc.
- 9 Click **OK**. It is best not to use the PC while recording.
- 10 Click **Done** when recording is complete.


Click **Find** and then click either **Scan for Music** or **Browse** to find music files on your hard disk drive that you want to record.


Click the **Help** icon and then select **RecordNow! Help** for more information about recording music CDs with the RecordNow! program.



Press and hold Control (Ctrl) on your keyboard to select more than one track.

Creating CDs to play on your PC

- 1 Click **Start**, choose **All Programs, CD (DVD) Recorder, RecordNow!**, and then click **RecordNow!** again.
- 2 Click the **Audio Projects** tab.
- 3 Select **Jukebox CD**.
- 4 Insert a music CD to view the tracks on your CD. Select **View** if you would like to look at another optical drive.

Or
- 5 Select the tracks you want to record, and then click **Add**. Press and hold the Control (Ctrl) key to select more than one track.
- 6 Click the **Burn** icon when you have added all the audio files to your music CD project.
- 7 Click **Yes**.
- 8 When prompted, insert a blank CD-R or CD-RW disc. If the CD-RW disc is not blank, RecordNow! prompts you to erase it and then automatically begins writing to it when it is erased. If you want to play your music CD in your home or car stereo, use a CD-R disc. CD-RW discs may not play in some stereos.
- 9 Click **OK**. It is best not to use the PC while recording.
- 10 Click **Done** when recording is complete.

Click the **Help** icon and then select **RecordNow! Help** for more information about recording music CDs with the RecordNow! program.



RecordNow! scans for all audio files, even the sounds from your operating system. If you don't want to display some of these sounds, you can select the Options icon (wrench), and then select Audio. Select Hide audio files shorter than (in seconds), and then type in the seconds.



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About creating a music CD

When recording music files, it is important to note that:

- To play your music CD in a home or car stereo, it needs to be recorded as a music CD in CD Audio (CDA) format, not as a data CD.
- You must record all music files in one recording session because RecordNow! closes the CD after recording is complete. Music files can be recorded repeatedly onto a rewritable (CD-RW) disc, but all previously recorded music files must be erased first.
- As you add music files in the recording session, RecordNow! calculates and displays the amount of recording time available to record additional music files.
- You can't record song titles unless you make an exact copy of a music CD in your collection.
- If you try to record more than a standard CD can hold, RecordNow! displays a message warning you that all the tracks may not fit on your disc.



An appendable disc can have additional files added to it, if there is disc space available. Recorded audio CDs are closed-session discs that are not appendable.

Storing Files on a DVD or CD

Unlike music CDs, data DVDs and CDs can be recorded in multiple sessions:

- 1** Click **Start**, choose **All Programs, CD (DVD) Recorder, RecordNow!**, and then click **RecordNow!** again.
- 2** Select the **Data Projects** tab.
- 3** Insert a blank or appendable CD-R, CD-RW, DVD+R, DVD+RW, or double-layer DVD+R (select models) disc into your drive, and then click **Data Disc**.



- If the disc is blank, follow the onscreen instructions.

Or

- If the disc is full, insert a blank or another appendable disc.

Or

- If you are adding files to a disc, follow the onscreen instructions.

- 4** To name your disc, select **Volume Label**, and then type a name over it. RecordNow! assigns a name based on the recording date if you don't type a name.

5 Add your data files to the file selection window:

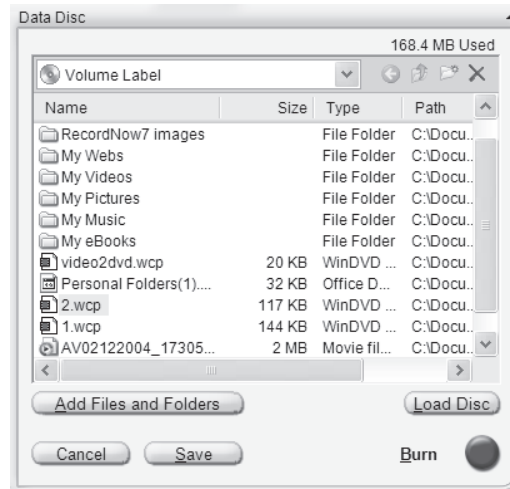
- Click the **Add Files and Folders** button, click the **browse** folder icon to find and select your file, and then click **Add**. Repeat this step until all files are added.

Or

- Drag your file from your desktop or from anywhere in Windows Explorer into the file selection window. Repeat this step until all files are added.

6 Click the **Burn** icon when all of your files have been added.

7 Click **Done** when recording is complete.




You can rename your files in the file selection window by selecting and typing over the current name. This does not affect the original files on your hard disk drive.

Click the Help icon and then click **RecordNow! Help** for more information about recording data files with the RecordNow! program.

About storing data files on disc

When storing data files on a disc, it is important to note that:

- You can add new data files to a CD-R and a DVD+R in a later recording session, until the disc is full. With DVD+R discs, you need to select the correct setting in RecordNow! to record files in a later session. To do this, insert your recorded DVD, open RecordNow!, click the **Options** icon (wrench), click **Data**, select the recording option you want, and then click **OK**. 
- When you record files that have the same name as previously recorded files, RecordNow! updates the file and the previous version is overwritten.
- RecordNow! allows you to change file names and titles of files you want to record and files that were previously recorded.
- As you select data files to record to your disc, RecordNow! calculates and displays the amount of recording space available on your disc.



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Copying a DVD or CD

RecordNow! allows you to make a copy of a music or data disc from your collection. You can't copy commercial DVDs because they are protected by copyright laws and are encoded to prevent illegal duplication.

To make a copy of a music or data disc from your collection:

- 1 Click **Start**, choose **All Programs, CD (DVD) Recorder, RecordNow!**, and then click **RecordNow!** again.
- 2 Select the **Data Projects** tab.
- 3 Select **Exact Copy**.
- 4 Insert the CD or DVD you want to copy.
- 5 Click the **Copy** icon.
- 6 Insert a blank DVD or CD into the drive, and then click **OK**.
- 7 Click **Done** when the recording is complete.

Erasing a DVD or CD

You can use RecordNow! to erase music, data, or video files from rewritable DVDs and CDs, leaving almost all the disc space available for new recordings.

If you try to record a video or music file to a rewritable disc that has files on it, the recording program prompts you to erase the disc first.

- 1 Click **Start**, choose **All Programs, CD (DVD) Recorder, RecordNow!**, and then click **RecordNow!** again.
- 2 Insert the DVD+RW or CD-RW you want to erase. If an Auto Play window opens, click **Cancel**.
- 3 Select **Erase Disc** under your **Home Screen** or **Data Projects** tab.
- 4 Click **Yes** to confirm that you want to erase the disc.

About Removing Files in RecordNow!




When removing files in RecordNow!, it is important to note:

- When you remove a recorded file from a data DVD+R or CD-R, the disc space is lost and can't be used for new recordings.
- You can't remove music files from previously recorded music CDs, but you can remove music files from the file selection window in RecordNow! before you record the files to your disc.
- You must use a blank CD to create a music CD.
- If you delete files from the file selection window in RecordNow! before the disc is recorded, available disc space is not affected. If you remove a file from a DVD+R or CD-R after the disc is recorded, available disc space is lost.


Removing Files from a Recorded Data Disc

RecordNow! can't erase files from recordable (record once) DVDs or CDs, but files that have been previously recorded can be removed. When you remove a recorded file from a data DVD+R or CD-R, the disc space is lost and can't be used for new recordings.

To remove data files from a recorded DVD or CD:

- 1 Click **Start**, choose **All Programs, CD (DVD) Recorder, RecordNow!**, and then click **RecordNow!** again.
- 2 Select the **Data Projects** tab. 
- 3 Insert the disc from which you want to remove files. If an Auto Play window opens, click **Cancel**.
- 4 Click **Data Disc**.
- 5 You must have at least one file on your data disc to re-record it. Select the file you want to remove, and then click the **Remove** icon in the upper-right corner. 
- 6 Click **Yes**.
- 7 Click the **Burn** icon to save your data disc without the files you removed. 
- 8 Click **Done** when the recording is complete.

Archiving Files on a DVD or CD

- 1** Click **Start**, choose **All Programs, CD (DVD) Recorder, RecordNow!**, and then click **RecordNow!** again.
- 2** Select the **Backup Projects** tab.
- 3** Select **File Archive**.
- 4** Insert a blank CD or DVD into the drive.
- 5** Place a check mark in the **Changed since** box to limit the scan to files that have been changed since the last time you completed a File Archive.
- 6** Add your files to the Archive window:
 - Select one or more categories from the list on the left and click **Scan**. RecordNow! scans your hard disk drive for files related to the category.
 - Drag files from the Windows Explorer to the Archive window.
- 7** Click the **Burn** icon when all of your files have been added.


If the files do not fit on one disc, File Archive asks you for additional discs.
- 8** Click **Done** when recording is complete.

About Image Files

RecordNow! can take all the files from a CD or DVD and convert it into a single file called an *image file*. You can use the image file to reproduce the original disc. This is often used when you need to make multiple copies of the same disc.

Saving an Image

- 1** Click **Start**, choose **All Programs, CD (DVD) Recorder, RecordNow!**, and then click **RecordNow!** again.
- 2** Select the **Backup Projects** tab.
- 3** Select **Save Image**.
- 4** Insert the source disc into the drive.
- 5** Click **Browse** to set the destination and name of the image file.
- 6** Click the **Save** icon to create the image file.

Burning an Image

- 1 Click **Start**, choose **All Programs, CD (DVD) Recorder, RecordNow!**, and then click **RecordNow!** again.
- 2 Select the **Backup Projects** tab.
- 3 Select **Burn Image**.
- 4 Click the **Browse** button to locate your saved image file.
- 5 Click the **Burn** icon.
- 6 Insert a blank CD or DVD into the drive.
- 7 Click **Done** when recording is complete.



About Recording Video Files

Video quality depends on the quality of the source files, the PC speed, and its graphics processing ability. Refer to "Recording VHS Video Files Direct to DVD" on page 146.



Your DVD Writer or CD Writer drive will not copy commercially available DVD movies. Most commercial DVDs are encoded to prevent unauthorized duplication.

Disc Labels



WARNING: When labeling your DVDs, do not use sticky labels. They can cause the DVD to play erratically. Instead, write on the DVD with a felt-tip pen to label it.

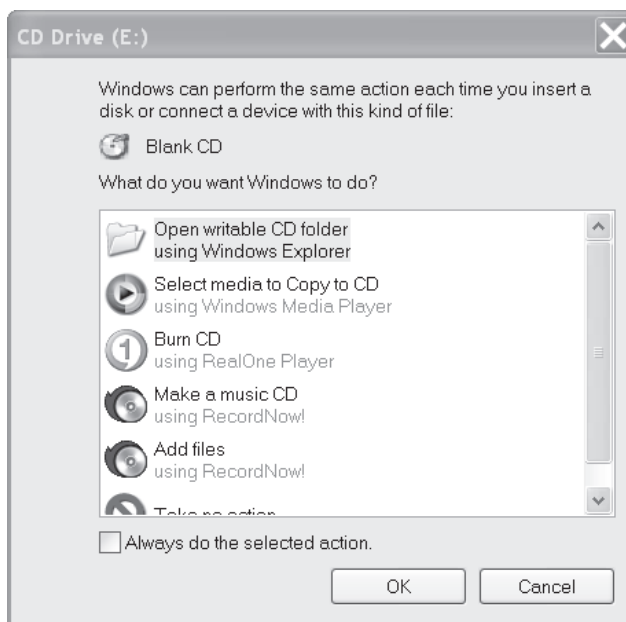
Creating Recovery CD/DVDs for the PC

For more information about creating Recovery CDs/DVDs, refer to the *Warranty and Support Guide* that came with your PC.

Setting automatic recording options

When you first insert a blank CD into your DVD Writer or CD Writer drive, Microsoft Windows XP may give you options for the type of disc you insert.

When you insert a blank DVD into your DVD Writer/CD Writer drive, an options window does not appear. You must open the program you want to use with your DVD, and then perform an action.



For example, if you insert a blank CD-RW disc, you see options such as:

- Open writable CD folder using Windows Explorer.
- Make a music CD using RecordNow!
- Take no action.

The options displayed depend on what software is on the PC.

You can choose to have a specific action occur automatically each time you insert a blank CD by selecting the *Always do the selected action* box.

If you later decide that you want to change the option you have set:

- 1 Click **Start**.
- 2 Click **My Computer**.
- 3 Right-click the **DVD Writer/CD Writer drive** icon and select **Properties**.
- 4 Click the **AutoPlay** tab.
- 5 Click **Select an action to perform**, select an action, and then click **OK**.

Or

Click **Prompt me each time to choose an action**, and then click **OK**.

If this window of options does not appear, you can click **Start, My Computer**, right-click the **DVD Writer/CD Writer drive** icon, and then select one of the available options.

You can also open a program before you insert a disc. After the program is opened, select an action and follow the onscreen instructions within the program.

If the option you want is not listed, you can select **Take no action**, and then click **OK**. The window closes, and you can then manually select a different option through the Start menu on the desktop.

Here are some of the other options you can choose:

- To view the files on the disc you inserted, click **Start, My Computer**, and then right-click the **DVD Writer/CD Writer drive** icon and choose **Explore**.
- To view the files on the disc you inserted, click **Start, My Computer**, and then double-click the **DVD Writer/CD Writer drive** icon.
- To open a particular program, click **Start**, choose **All Programs**, and then click the program you want.

Compatibility Information

An important feature of a DVD Writer/CD Writer drive is its high level of compatibility with other optical drives and CD and DVD players:

- The CDs that you create play in most home and car stereos and in most computer DVD-ROM and CD-ROM drives.
- The DVDs that you create are compatible with some DVD video players and with most computer DVD-ROM drives.

- CD-R discs are more compatible with home and car stereos than CD-RW discs are.

Your DVD Writer/CD Writer drive is able to read from and record to almost every type of optical disc. Writing speed rates for the DVD Writer/CD Writer drive are fast, allowing quick recording times.



The DVD Writer/CD Writer drive can't record to DVD-R, DVD-RW, or DVD-RAM discs. When recording, use DVDs that have a "+" in their names.



The InterVideo WinDVD Creator and RecordNow! recording programs support the double-layer technology.

Compatible File Formats

Your DVD Writer/CD Writer drive can read and record the following audio formats:

- WAV, MP3, WMA, and CDA for CDs
- WAV, MPEG-1, MPEG-2, WMA, and Layer 2 files for DVDs

Your DVD Writer/CD Writer drive can read and record the following video formats:

- MPEG-1 and MPEG-2
- AVI and WMV

Disc Quick Reference

You can use DVD+RW, DVD+R, CD-RW, and CD-R discs in the DVD Writer/CD Writer drive.

Double-layer DVD+R discs

- Can only be written to with a double-layer DVD drive (select models only).
- Can't be erased or written to again.
- Hold up to 8.5 GB — the equivalent of 12 CDs.
- Record up to 6 hours of video files, depending on the quality of the recording.
- Can be used to back up your hard disk drive files.

DVD+R discs

- Can't be erased or written to again. Some programs, like RecordNow!, allow you to record data in multiple sessions until the disc is full.
- Can't edit a DVD+R that has been recorded as a DVD movie.
- Hold up to 4.7 GB — the equivalent of 7 CDs.
- Record up to 3 hours of video files, depending on the quality of the recording.
- Are compatible with more DVD drives and players than a DVD+RW disc is.
- Can be used to back up your hard disk drive files.

DVD+RW discs

- Can be erased and rewritten.
- Can hold up to 4.7 GB — equivalent of 7 CDs.
- Record up to 3 hours of video files, depending on the quality of the recording.
- Can be used to back up hard disk drive files that you can update periodically.

CD-R discs

- Can't be erased or written to again. Some programs, like RecordNow!, allow you to record data in multiple sessions until the disc is full.
- Can hold about 80 minutes of music files or up to 99 tracks.
- Can hold 700 MB of data, depending on the CD.
- Can be used to create storage discs for your hard disk drive files.

CD-RW discs

- Can be erased and rewritten.
- Can hold about 80 minutes of music files or up to 99 tracks.
- Can hold 700 MB of data, depending on the CD.
- Can be used to create storage discs for your hard disk drive files.

Video Recording Length

Disc type	Video quality setting		
	Good	Better	Best
8.5 GB double-layer DVD+R	325 minutes	217 minutes	108 minutes
4.7 GB DVD+RW, DVD+R	180 minutes	120 minutes	60 minutes
700 MB CD-RW, CD-R	27 minutes	18 minutes	9 minutes
650 MB CD-RW, CD-R	24 minutes	16 minutes	8 minutes



CD-R discs are more compatible with home and car stereos than CD-RW discs.



For the latest disc compatibility information for your PC, check the following Web site: <http://www.hp.com>



Double-layer DVD technology is supported by select models only.



The InterVideo WinDVD Creator and RecordNow! recording programs support the double-layer technology.

Disc Feature and Compatibility

Disc	File type	Can be recorded onto	Plays in PC	Plays in home or car stereo	Plays in home DVD player
CD-ROM	Data	No	Yes	No	No
	Music	No	Yes	Yes	Varies by model
CD-R	Data	Yes	Yes	No	No
	MP3 music	Yes	Yes	Varies by model	Varies by model
CD-RW	Data	Yes	Yes	No	No
	MP3 music	Yes	Yes	Varies by model	Varies by model
DVD-ROM	Data	No	Yes	No	No
	DVD movie	No	Yes	No	Yes
DVD+R	Data	Yes	Yes	No	No
	DVD movie	Yes	Yes	No	Varies by model
Double-layer DVD	Data	Yes	Yes	No	Yes
	DVD movie	Yes	Yes	No	Yes
DVD+RW	Data	Yes	Yes	No	No
	DVD movie	Yes	Yes	No	Varies by model
VCD	DVD movie	No	Yes	No	Varies by model

Optical Drive Quick Reference

Optical drive can	CD-ROM	CD-RW	DVD-ROM	DVD+RW/+R	Double-Layer	Combo CD-RW/DVD
Read CDs, CD-Rs, and CD-RWs	X	X	X	X	X	X
Read DVDs			X	X	X	X
Read data on a CD	X	X	X	X	X	X
Play music	X	X	X	X	X	X
Record data or music to disc for storage or backup		X		X	X	X
View DVD movies			X	X	X	X
Record DVD movies				X	X	
Play PC games	X	X	X	X	X	X





Software quick reference




To open the DVD Writer/CD Writer software programs, click **Start** on the taskbar, choose **All Programs**, select the program folder, and then click the program to open the software. Refer to the following table to determine the best programs for the tasks you want to do.

Your PC comes with the following software programs. Use this table to find out what you can do within each program. Some programs listed below may not be included with your PC model.



You may have a software update CD included with your PC. You may need to install this CD before using the DVD Writer/CD Writer drive. To do this, follow the installation instructions that came with the CD.

Software	With this program you can
iTunes 	<ul style="list-style-type: none"> ■ Play music CDs, MP3s, and other audio files. ■ Record music files. ■ Record a copy of an existing music or data CD to use on the PC. ■ Organize digital files into a library for recording or listening.
Windows Media Player 	<ul style="list-style-type: none"> ■ Play music CDs, MP3s, and other audio files. ■ Play DVD movies. (Windows Media Player can play DVDs only if another DVD player program, such as InterVideo WinDVD, is installed.) ■ Play Windows Movie Maker files. ■ Record music files. ■ Organize digital files into a library for recording or listening.
RealOne Player 	<ul style="list-style-type: none"> ■ Play music CDs, MP3s, and other audio files. ■ Play DVD movies. (RealOne Player can play DVDs only if another DVD player program, such as InterVideo WinDVD, is installed.) ■ Play video CDs. ■ Record music files. ■ Organize digital files into a library for recording or listening.
Windows Movie Maker 2.0 	<ul style="list-style-type: none"> ■ Import audio, video, and other media files from a videotape, an audiotape, a Web camera, or a television broadcast. ■ Record audio and video files to create a video project that becomes a Windows Media source file with a .wmv extension. ■ Edit and preview files. ■ Send a movie in an e-mail or upload it to a Web server. ■ Add music files (MP3). ■ Import audio files such as .mp3, .asf, or .wma; video files such as .wmv, .asf, .avi, or .mpg; or image files such as .jpg or .gif. ■ Create AVI and WMV (Windows Media Video) files.

Software	With this program you can
<p>InterVideo WinDVD</p> 	<ul style="list-style-type: none"> ■ Play DVD movies and video CDs (VCD).
<p>RecordNow!</p> 	<ul style="list-style-type: none"> ■ Record data and music files. ■ Record a copy of an existing music or data CD to use on the PC. ■ Create customized music CDs from CDs in your collection, or from WAV, MP3, or WMA files. These CDs can be played in your home or car stereo. ■ Copy and share data files. ■ Copy short video files.
<p>InterVideo WinDVD Creator</p> 	<ul style="list-style-type: none"> ■ Capture digital and analog video files directly from a digital video (DV) camera, VCR, or other analog capture device. ■ Assemble movies by capturing video clips and scenes into a video project. ■ Edit your movies. Cut scenes and add music and sound effects, still images, text, video transitions, and voice-overs. ■ Preview movies during editing and before recording final files. ■ Create video files, export them to your hard disk drive or your digital video camera, and then play them on your PC. ■ Create video files, record them to DVDs and CDs, and then play them on some set-top DVD players. ■ Record video files to 7 different formats.



Video files recorded with RecordNow! can be viewed on a PC but not on home DVD video players.

Creating DVD Movies

Your PC allows you to capture (copy), edit, and record your home movies in four easy steps by using the InterVideo WinDVD Creator® software program.

Capture: Take videos and pictures from digital camcorders, capture cards, and Web cameras, and then save them to your hard disk drive.

Edit: Arrange and trim your files. Add titles, transition effects, images, and audio.

Author or **Add Menu:** Add a menu with chapters to your DVD.

Make Movie: Finalize your project by burning your movie to a DVD.

For more information on WinDVD Creator, click the **Help** menu in the WinDVD Creator menu bar.

Getting Started

1 Click **Start**, choose **All Programs, Video, InterVideo WinDVD Creator**, and then click **InterVideo WinDVD Creator** again.

2 Select one of the menu options:

- **Create new project:** Opens the Edit section for you to begin creating a new project.
- **Open existing project:** Brings up the Open window for you to select an existing project.
- **Create CD/DVD with existing video file:** Brings up the Open window for you to select existing video files.
- **Capture video into hard disk:** Opens the Capture section for you to capture media.
- **Record video tape into DVD disc in one step:** Enables you to bypass the hard disk drive and record straight from your camera to a disc in your DVD drive.

Preview window

The Preview window is located in the upper-left corner and behaves different for each task.

Capture: It displays what your capture device is viewing.

Edit: Plays back the selected video or displays the selected image.

Author (or **Add Menu**): Displays what your menu and buttons look like.

Media Library

The Media Library contains your video clips, images, and audio tracks. To import existing media files from your hard disk or CDs into your Media Library, click the **Import** (or **Drag and Drop**) button.

Capture: Located in bottom right corner. Contains your video clips, images, and audio tracks.

Edit: Located in upper-right corner. Contains your video clips, images, and audio tracks.

Author (or **Add Menu**): Located in upper-right corner. Contains menu themes, video backgrounds, audio tracks, images, buttons, chapter layouts, and chapter thumbnails.

Storyboard

Located on the bottom of the Edit and Author (or Add Menu) area. The storyboard can be displayed in either Menu Picker or Timeline mode. Use the

Storyboard to organize your media and add special effects such as titles, transition effects, audio tracks, and video filters (select models only).



You may need to turn your device off and on again for the program to detect it.

Requirements for Capturing Video

You can copy (capture) video files to your hard disk drive by using the WinDVD Creator program. Among the devices supported by WinDVD Creator are capture cards, digital camcorders, and Web cameras. Use the capture card to capture video from a TV, a VCR, or an analog video camera.

To capture video files, you need to:

- Connect your digital video capture device properly.
- Turn your device on and set it to playback mode.
- Make sure the program you want to use can detect your digital or analog device.

If your PC has multiple video devices connected, they all appear on the Capture screen. Select the video source you would like to use.

Capturing Digital Camcorder Video

- 1 Click **Start**, choose **All Programs, Video, InterVideo WinDVD Creator**, and then click **InterVideo WinDVD Creator** again.
 - 2 Click the **Capture video into hard disk** button.
 - 3 Connect your digital camcorder to your PC.
 - 4 Make sure the output from your Digital Camcorder appears in the Preview window. If it does not, double-check your connections and make sure your camera is in playback mode.
 - 5 Click the **Play** button to preview your video file before you record it.
 - 6 Find your starting point in the video and click the **Pause** button.
 - 7 Click the **Record** button.
 - 8 Enter a file name, click **Save**, and recording begins.
 - 9 Click the **Stop** button to stop capturing your video file. Your video file is processed and automatically saved to the My Videos folder on your hard disk drive. The video clip appears in the Media Library portion of the screen.
 - 10 To play back your captured video, click the file in the Media Library and click the **Play** button in the Preview window.
-

Capturing Web Camera Video

- 1 Click **Start**, choose **All Programs, Video, InterVideo WinDVD Creator**, and then click **InterVideo WinDVD Creator** again.
- 2 Click the **Capture video into hard disk** button.
- 3 Connect your Web camera to your PC.
- 4 Make sure the output from your Web camera appears in the Preview window. If it does not, double-check your connections.
- 5 Click the **Record** button.
- 6 Enter a file name, click **Save**, and recording begins.
- 7 Click the **Stop** button to stop capturing your video file. Your video file is processed and automatically saved to the My Videos folder on your hard disk drive. The video clip appears in the Media Library portion of the screen.
- 8 To play back your captured video, click the file in the Media Library and click the **Play** button in the Preview window.

Capturing Video with a Capture Card

- 1 Click **Start**, choose **All Programs, Video, InterVideo WinDVD Creator**, and then click **InterVideo WinDVD Creator** again.
 - 2 Click the **Capture video into hard disk** button.
 - 3 Connect your VCR, television, or other input device to your capture card.
 - 4 Use the Up and Down arrows to select the channel you would like to record.
 - 5 Click the **Record** button.
 - 6 Enter a file name, click **Save**, and recording begins.
 - 7 Click the **Stop** button to stop capturing your video file. Your video file is processed and automatically saved to the My Videos folder on your hard disk drive. The video clip appears in the Media Library portion of the screen.
 - 8 To play back your captured video, click the file in the Media Library and click the **Play** button in the Preview window.
-

Capturing a Still Image

- 1 Pause your input device on the position for which you would like an image.
- 2 Click the **Capture Still Image** button under the Preview window.
- 3 The image is saved to the My Pictures folder on your hard disk drive.



Editing Video Files in WinDVD Creator

After you capture video files, use the WinDVD Creator Edit module to create your customized video file. In the edit mode you can add:

- Video files
- Still images
- Audio and music tracks
- Transition effects
- Title effects






To edit your video files:




- 1** If your project is already open, click the **Edit** button and skip to step 4.
- 2** Click **Start**, choose **All Programs, Video, InterVideo WinDVD Creator**, and then click **InterVideo WinDVD Creator** again.
- 3** Open a project by selecting either the **Create new project** or the **Open existing project** button.
- 4** If you have already captured video for this project, drag and drop the video files from the Media Library to the Storyboard. If you have video files on your hard disk drive you would like to add to this project, click **Import** (or **Drag and Drop**).
- 5** If you do not like the sequence of the video files, drag and drop the files in the Storyboard to change the sequence.

Adding images

- 1** Click the **Image Library** icon.
- 2** Click the **Import** (or **Drag and Drop**) button to open the My Pictures folder on your hard disk drive.
- 3** Select the images from your hard disk drive you would like to add to your Image Library, and click **Open**.
- 4** Drag and drop images from the Image Library to your storyboard.

Click the following icons to edit still images and video files.

Storyboard icons	
	Switches between Storyboard mode and Timeline mode.
 Group	Groups multiple images into one on the storyboard.
 Expand	Expands grouped images so they are all displayed on the storyboard.
 Save Movie	Records output directly to a DV camcorder.
 Save Movie	Writes output to a file in your selected format.

Storyboard icons	
 <p>Edit Clip</p>	<p>Trims a video clip:</p> <ol style="list-style-type: none"> 1 Double-click a video clip on the Storyboard. 2 Adjust the sliders to cut off video at the beginning or the end.
 <p>Edit Clip</p>	<p>Merges clip with the next clip.</p>
 <p>Edit Clip</p>	<p>Splits a video clip:</p> <ol style="list-style-type: none"> 1 Click the video clip you want to split. 2 Click the Play button in the Preview window. 3 Click the Split Clip icon at the point of the clip you want split.

Adding audio effects

- 1 Click the **Audio Library** icon.
- 2 Click the **Import** or **Drag and Drop** button to open the My Music folder on your hard disk drive.
- 3 Select the audio files from your hard disk drive you want to add to your audio library, and click **Open**.
- 4 Drag and drop the audio files from the Audio Library to the video file of your choice.
- 5 A musical note icon appears in the bottom right corner of the video file to which the audio track was assigned.
- 6 To keep the audio track running for more than one video file, switch from Storyboard mode to Timeline mode. Drag the music track across more than one video file.



Adding transition effects

- 1 Click the **Transition Effects** icon.
- 2 Drag and drop a transition effect between the two video files you would like the effect to appear in.



Adding title effects

- 1 Click the **Title Effects** icon.
- 2 Drag and drop a title effect either between video files or to a video file on the Storyboard.
- 3 Type the text you would like to appear on your title screen.
- 4 If you inserted the title effect between video clips, click the **Image Setting** icon to adjust the length of time you want the title clip to appear.
- 5 A capital T appears in the bottom-right corner of the title clip on the Storyboard.



Adding video filters








- 1 Click the **Video Filters** icon (select models only).
- 2 Drag and drop a video filter to the video of your choice.

Authoring Your DVD









The Author (or Add Menu) section turns your project interactive. It creates a menu theme and breaks your project into chapters. The menu theme can be your own images and music or a custom theme that comes with WinDVD Creator.

- 1 If your project is already open, click the **Author** (or **Add Menu**) button.
- 2 Click **Start**, choose **All Programs, Video, InterVideo WinDVD Creator**, and then click **InterVideo WinDVD Creator** again.
- 3 Select the **Open existing project** button and select your project.
- 4 Click the **Author** (or **Add Menu**) button.

Click the following icons to add a menu theme, chapters, buttons, audio tracks, and images to your DVD:

Menu and chapter icons (icons may vary)	
	Select a custom-made menu theme by WinDVD Creator.
	Select a video background for your menu that runs continuously.
	Select an audio track to run in the background when your menu is displayed.
	Select one of your own images as the background for your menu.
	Double-click a button to add it to your menu.
	Double-click one of the five menu layouts to add it to your project.
	Double-click one of the shapes for chapter frames. These shapes appear around your chapters on the menu.

Click the following icons to edit chapter and menu items:

Storyboard icons in author mode	
	Switch between Menu and Chapter layout.
 Add Chapter	Add a chapter mark. There is a minimum length of time required for each chapter.
 Delete Chapter	Delete a chapter mark.
 TV Overscan	Hide the menu border in the Preview window.
 Add Text	Insert text for titles and button descriptions.
 Preview	Display the menu and chapters as they would actually be seen in the Preview window.
 Chapter Settings	Add captions to your chapters. Change the display of your chapter button.
 Menu Properties	Set the music properties to your menu.

Make Movie

This is the final step of your DVD project. You select a format, the type of TV system, and volume name.

- 1 If your project is already open, click the **Make Movie** button and skip to step 5.



- 2 Click **Start**, choose **All Programs, Video, InterVideo WinDVD Creator**, and then click **InterVideo WinDVD Creator** again.
- 3 Select the **Open existing project** button and select your project.
- 4 Click the **Make Movie** button.
- 5 Insert a blank recordable DVD or CD into your drive.

- 6 Choose one from each of the following sections (order of selections may differ).

Select	Function
Format	Select one of the formats to record your project.
TV System	Select between NTSC and PAL for your TV system. The NTSC format is used in North America, and the PAL format is used in European and Asian countries/regions.
Volume Name of Disc	Enter a Volume name for your disc (optional).
Select Device	Select the device that contains the blank recordable DVD or CD.
Burning Speed	Select the speed to use when recording your project.
Burn to Disc	Select where you would like the file to be recorded: Burn to Disc: Use this to burn directly to a DVD or CD. Write content to hard disk for later burning: Use this to create the file on your hard disk drive.

- 7 Click the right arrow and then click **Start**.
- 8 Click **OK**.

Recording VHS Video Files Direct to DVD

To record VHS video files direct to DVDs:

- 1** Connect your VCR or other analog video source to your capture card.
 - 2** Click **Start**, choose **All Programs, Video, InterVideo WinDVD Creator**, and then click **InterVideo WinDVD Creator** again.
 - 3** Select the **Record video tape into DVD disc in one step** button.
 - 4** Insert a blank DVD into your drive.
 - 5** Click the **Capture** button and select your VCR.
 - 6** Press the **Playback** button on your VCR.
 - 7** Click the **Record** button when the Preview window displays what you want to record.
-

Converting Recorded TV to VCD or DVD Format

You may not be able to preview recorded TV programs with InterVideo WinDVD Creator (WinDVD Creator) until the recorded TV program is converted to a VCD or DVD format. However, you will be able to convert the recorded program, save it, edit it, and view it from the PC that it was recorded to.

- 1** Locate and open your recorded TV program. Click **Start**, My Documents, and then **Shared Documents** folder. Double-click the **Recorded TV** folder.
- 2** If your project is already open, click the **Edit** button and skip to step 4.
- 3** Click **Start**, choose **All Programs, Video, InterVideo WinDVD Creator**, and then click **InterVideo WinDVD Creator** again.
- 4** Open a project by selecting either the **Create new project** or the **Open existing project** button.
- 5** Click the **Output to File** (or **Save Movie**) icon.
- 6** Select a **GQ, HQ, SP, LP, or EP** format and click **OK**.
- 7** Enter a file name and click **Save**.

Troubleshooting

Problems and Solutions

For help on general and miscellaneous problems you may be experiencing with the PC, refer to the following pages for possible solutions. Look up the description of the problem and try the solution listed.

For more detailed information, press the Help button on your keyboard, or click **Start** on the taskbar and select **Help and Support**.

Problem	Solution
My remote control doesn't work.	<ul style="list-style-type: none">■ Make sure that the batteries for the remote control are charged and installed correctly.■ Make sure the front of the remote sensor (IR Receiver) is not blocked.■ Point the remote control within a 45-degree angle range and less than 26 feet (8 meters) away.■ If a pressed key repeats itself or sticks, unplug the remote sensor from the USB connector, wait one minute, and plug the remote sensor back in. Try altering the lighting conditions in the room or moving the location of the remote sensor if this continues.■ Press the Enter button on the remote control after changing a channel.■ Point the remote control toward the remote sensor and press a button. A faint red light should appear on the remote sensor. If the light appears, then the problem is probably in the Media Center software. Close Media Center, restart the PC, and then open Media Center again.■ If the remote control works in Media Center but not when changing channels, you need to reconfigure the Media Center software settings for the cable set-top box or satellite receiver.

I cannot remove a CD or DVD.

Turn on the computer and press the Eject button to extend the tray.

If this doesn't work (a disc is jammed):

- 1** Turn off the PC and unplug it from the power source.
- 2** Open the protective door flap in front of the drive door by pressing it on the lower edge.
- 3** Using a ballpoint pen or paperclip, insert it gently into the hole on the front of the CD or DVD drive door until the door opens.



Your system is provided with a voltage select switch for use in a 115-VAC or 230-VAC power system. The voltage select switch has been pre-set to the correct voltage setting for use in the particular country/region where it was initially sold. Changing the voltage select switch to the incorrect position can damage your PC and void any implied warranty.

Problem	Solution
My PC is experiencing video errors.	<ul style="list-style-type: none"> ■ The file may be corrupt or in an unsupported format. Open the video file in a video editor such as InterVideo WinDVD Creator, and then resave the file in a supported format. ■ There may be a problem with the codec. For more information, look in Windows Media Player help, and then search for <i>codec</i>. ■ If the error message "Files Needed To Display Video Are Missing or Corrupt" appears, follow these steps: <ul style="list-style-type: none"> a Click Start, right-click My Computer, and then select Properties. b Click the Hardware tab, and then click the Device Manager button. c Click the plus sign (+) next to Sound, video and game controllers. d Double-click the TV tuner device. e Click the Driver tab, and then click the Update Driver button. f Select Install from a list or a specific location, and then click Next. g Remove the check mark from Search removable media. h Click Include this location in this search, and then click the Browse button. i Click the plus sign (+) in order, next to each of the following directories: <ul style="list-style-type: none"> ■ My Computer ■ C:/ ■ hp ■ drivers i Click OK, Next, and then click Finish after the drivers are updated. k Restart the PC.

Problem	Solution
My DVD won't play.	You can put data files on a DVD to store them or transfer them to another PC. However, data files on a DVD do not play in a DVD player. Rerecord your files to a file format that can be read by some DVD players.
Codec errors are occurring when I play certain files.	<p>Codec is an abbreviation for compressor-decompressor. A codec is software or hardware used to compress and decompress digital media.</p> <p>If you get a codec error when playing an audio file, open the file in Windows Media Player. If you have configured Windows Media Player to automatically download codecs and the correct codec is available, then your file should play. You must be connected to the Internet to download the codec file.</p>
My music files don't appear in the Media Library.	<p>Make sure you use Windows Media Player to add your music files to the Media Library.</p> <p>Check that the Windows Media Player setting for Access rights of other applications is not set to <i>No access</i>. It must be set to <i>Read only</i> or <i>Full access</i> for your music files to appear. Refer to Windows Media Player Help for more information.</p>
Send/Don't Send error messages keep appearing.	If you get an error message with Send and Don't Send options, close the dialog box by clicking Send or Don't Send. Continue with your tasks. For best performance, HP recommends that you restart your PC at a convenient time. To restart the PC: Click Start on the taskbar, click Turn Off Computer , and then click Restart .
I can't enter four-digit channels into my remote control (DISH Network).	<p>If you have connected your TV signal source through a set-top box that uses four-digit channel selection — for example, a DISH Network (EchoStar Satellite Corporation) DP301 receiver — you may need to change your TV signal settings. To do this:</p> <p>Open Media Center and select Settings, TV, and then select Set up TV signal. Follow the onscreen instructions until you get to the Choose Number of Digits screen. Choose Four digits. Then in the How Do You Change Channels screen, be sure to select the option Yes, I have to press ENTER or OK. Complete the setup wizard.</p>



If you need more information about using or troubleshooting Media Center, refer to the Media Center Help files or the Help and Support files in the Start menu.

Problem	Solution
My TV program didn't record and/or my screen was blank when I tried to get it out of standby.	<p>Make sure you do not put the PC into manual standby mode while Media Center is open. (You manually put the PC into standby by pressing the power icon or moon icon on the remote control or by pressing the moon icon on the keyboard, or by clicking Start on the desktop taskbar, then clicking Turn Off Computer, then Stand By.)</p> <p>Close Media Center before putting the PC into manual standby. This will avoid missed TV recordings and a potential blank screen when coming out of standby.</p>
I'm getting a disk full error message.	<p>You may receive a <i>disk full</i> error message that is false. Confirm the free space available on your hard disk drive: Click Start on the taskbar, click My Computer, right-click the C: drive, then select Properties. View the pie chart.</p> <p>If you have plenty of hard disk drive space available, close Media Center and then open it.</p> <p>If you don't have much free space, archive recorded TV programs, or other data onto recordable CDs or DVDs, then delete them from your hard disk drive. You can also uninstall unneeded software programs: Click Start on the taskbar, click Control Panel, then click Add or Remove Programs.</p> <p>You can also perform disk cleanup: click Start on the taskbar, choose All Programs, Accessories, System Tools, and then click Disk Cleanup and select the C: drive.</p>
My DVD is vertically stretched.	<p>If your DVD playback is vertically stretched in Media Center, stop playback and eject the disc. Reinsert the DVD and try to play it again.</p> <p>Or</p> <p>Click Start on the taskbar, choose All Programs, Video and then click InterVideo WinDVD to play the DVD.</p>
The Television Program Guide did not automatically download.	<p>Media Center will not automatically connect to the Internet and download the Television Program Guide if you are using a dial-up modem. Automatic connection occurs only with broadband Internet access. You must manually connect to the Internet and download the Guide. Be sure to disconnect when the download is complete.</p>



TV recordings in progress will be stopped and all scheduled recordings will be missed until the *disk full* error message is cleared and Media Center is restarted.

Problem	Solution
I forgot my parental control password.	<p>Open Media Center and select Settings, and then select General. Highlight (do not open) Parental Control. Hold down Ctrl and Alt and press Enter on your keyboard. This will reset the password and allow you to enter a new four-digit code.</p>
Postal code results do not match my channels in Television Program Guide (Europe only).	<p>If program listings displayed in the Television Program Guide don't match your local channels after you have selected your postal code, do one of the following:</p> <ul style="list-style-type: none"> ■ Select your city if it is listed: select a lineup at the bottom of the list if it matches yours, or set the listings manually. ■ To manually set the Guide listings, open Media Center, select Settings, TV, Guide and then select Add missing channels to add channels. Select Edit Guide listings to turn off channels you don't have, or to change channel numbers to the correct program information. If you do not know the channel (frequency) information for your TV programs, check the setup of your TV or contact your TV service provider for this information. ■ For detailed instructions, click the Help icon in Media Center. <p>If you have manually set your Guide listings, you may not be able to download program listings to display in the Guide, but you will still be able to schedule recordings and view programs from the added channels.</p>

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